# XR-6287

# SERVICE MANUAL

*US Model*
*Canadian Model*

| | |
|---|---|
| Model Name Using Similar Mechanism | XR-6157/6200 |
| Tape Transport Mechanism Type | MG-36AHJ-32 |

## SPECIFICATIONS

### AUDIO POWER SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION

12 watts per channel minimum continuous average power into 4 ohms, both channels driven, from 30 to 20,000 Hz with no more than 1% total harmonic distortion.

### Other Specifications

**Tuner section**
**FM**

| | |
|---|---|
| Tuning range | 87.9–107.9 MHz |
| Antenna terminal | External antenna connector/Power antenna relay control lead |
| Usable sensitivity | 12.5 dBf (75 ohms) |
| Selectivity | more than 70 dB at 400 kHz |
| Signal-to-noise ratio | 65 dB (stereo), 68 dB (monaural) |
| Harmonic distortion at 1 kHz | 0.9% (stereo), 0.5% (monaural) |
| Separation | 35 dB at 1 kHz |
| Frequency response | 30–15,000 Hz (±3 dB) |
| Capture ratio | 2.0 dB |

**AM**

| | |
|---|---|
| Tuning range | 530–1,710 kHz |
| Antenna terminal | External antenna connector/Power antenna relay control lead |
| Sensitivity | 32 μV |

**Cassette player section**

| | |
|---|---|
| Tape track | 4-track 2-channel stereo |
| Frequency response | 40–16,000Hz |
| Signal-to-noise ratio | Dolby off<br>55 dB with TYPE I cassettes<br>58 dB with TYPE II, IV cassettes<br>Dolby B<br>63 dB with TYPE I cassettes<br>66 dB with TYPE II, IV cassettes |
| Wow and flutter | 0.13% (WRMS) |

**Power amplifier section**

| | |
|---|---|
| Outputs | Speaker outputs (sure seal connectors) |
| Speaker impedance | 4–8 ohms |
| Maximum power output | 25 W + 25 W (at 4 ohms)* |

* Measured at 14.4 V

**General**

| | |
|---|---|
| Tone controls | Bass ±8 dB at 100 Hz<br>Treble ±8 dB at 10 kHz |
| Loudness | +10 dB at 100 Hz<br>+6 dB at 10 kHz |
| Output connector | Preamplifier output jacks (OUTPUT)<br><br>Ground wire terminal |
| Power requirements | 12 V DC car battery (negative ground) |
| Mounting dimensions | 178 × 50 × 125 mm (w/h/d)<br>(7⅛ × 2 × 5 inches) |
| Weight | 1.4 kg (3 lb 1 oz) |
| Accessories supplied | Mounting hardware (1 set) |
| Output lead | Power antenna relay control lead |

Design and specifications subject to change without notice.

# FM/AM CASSETTE CAR STEREO

# SONY®

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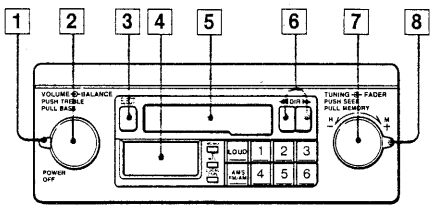
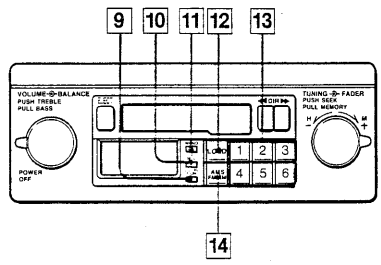
# SECTION 1
# GENERAL

## Location and Function of Controls




**1 BALANCE control**
Turn to adjust the balance of the left and right channel outputs.

**2 POWER OFF (power on) switch/VOLUME/PUSH TREBLE/PULL BASS control**

| | |
|---|---|
| POWER ON/OFF switch | Turn clockwise to turn on the unit and then for more volume. |
| VOLUME control | |
| TREBLE control | Press and turn to adjust treble. |
| BASS control | Pull and turn to adjust bass. |

**3 EJECT button**
Press to stop the tape and take out the cassette.

**4 Display window**

**5 Cassette insertion door**

**6 ◀◀/▶▶ (fast winding) buttons/DIR (tape transport direction) change buttons**
During playback, depress ◀◀ or ▶▶ for fast winding and press both ◀◀ and ▶▶ simultaneously to listen to the other side of the cassette.

**7 TUNING knob/PUSH SEEK knob/PULL MEMORY knob**

| | |
|---|---|
| TUNING knob | Turn to manually tune in the desired station. |
| SEEK knob | Press for automatic tuning. |
| MEMORY knob | Pull to memorize the frequency of the station being received. |

Use this knob also for clock setting.

**8 FADER control**
Turn clockwise to decrease the volume of the front speakers or counterclockwise to decrease the volume of the rear speakers.

**9 DSPL (display) button**
Press to display the time indication during radio reception.

**10 MTL/LOCAL (metal/local) button**

| Operation mode | How to use |
|---|---|
| Tape playback | Press when listening to $CrO_2$ (TYPE II) or metal (TYPE IV) tapes. When listening to normal (TYPE I) tapes, press it again. |
| Radio reception | Press to eliminate interference from adjacent stations during reception of a comparatively strong station. To go back to the normal receiving sensitivity, press it again. |

**11 DD/MONO (Dolby noise reduction*/monaural) button**

| Operation mode | How to use |
|---|---|
| Tape playback | Press to activate Dolby NR system. To deactivate, press it again. |
| Radio reception | Press to reduce noise during reception of a weak FM stereo program. The sound will be monaural instead. To listen in stereo, press it again. |

**12 LOUD (loudness) button**
Press to reinforce bass and treble especially when listening at low volume. To disengage the button, press it again.

**13 Preset number buttons**

**14 AMS (Automatic Music Sensor)/FM/AM (band select) button**

| Operation mode | How to use |
|---|---|
| Tape playback | Press to locate the beginning of the next selection or the selection being played. |
| Radio reception | Press to select a desired band. |

* Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.
"DOLBY" and the double-D symbol DD are trademarks of Dolby Laboratories Licensing Corporation.

# Installation

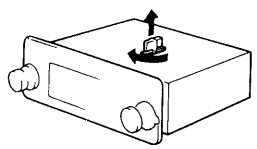
## Precautions

- Choose the mounting location carefully so that the unit will not interfere with the normal driving functions of the driver.
- Avoid installing the unit where it should be subject to high temperatures, such as from direct sunlight or from hot air from the heater, or where it would be subject to dust, dirt or excessive vibration.
- Use only the supplied mounting hardware for a safe and secure installation.

## Basic Installation

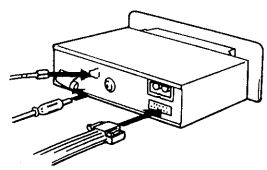
Use the mounting hardware supplied with the unit.

**Remove the transit lock.**

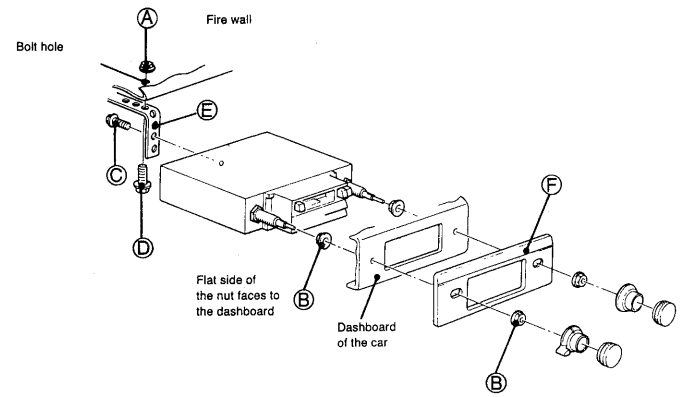


Turn 90° and then pull it out.

**Attach the cords.**



**Mount the unit.**




# Connections

## Caution

- This unit is designed for negative ground 12 V DC operation only.
- Before making connections, disconnect the ground terminal of the car battery to avoid short circuits.
- Connect the **red** power input lead only after all other leads are connected. Be sure to connect it to the positive 12 V power terminal which will be energized when the ignition key is set to the accessory position.
- **Run all ground wires to a common ground point.**

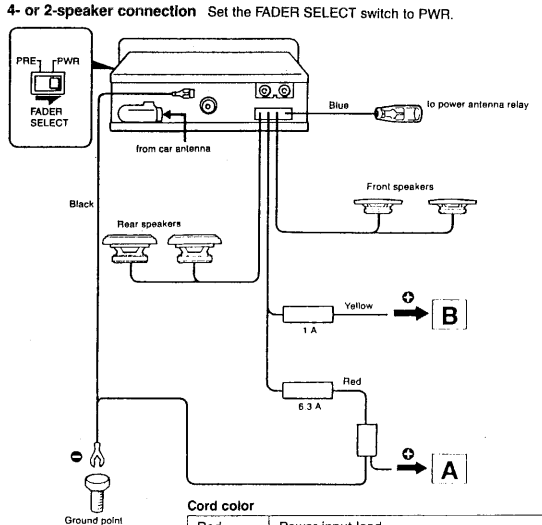
## Speaker Connection

**Notes on speaker connection**

- Use speakers with an impedance of 4 to 8 ohms, and with adequate power handling capacities. Otherwise, the speakers may be damaged.
- Do not connect the terminals of the speaker system to the car chassis, and do not connect the terminals of the right speaker with those of the left speaker.
- Do not attempt to connect the speakers in parallel.

## Connection Diagram

**4- or 2-speaker connection** Set the FADER SELECT switch to PWR.




**Cord color**

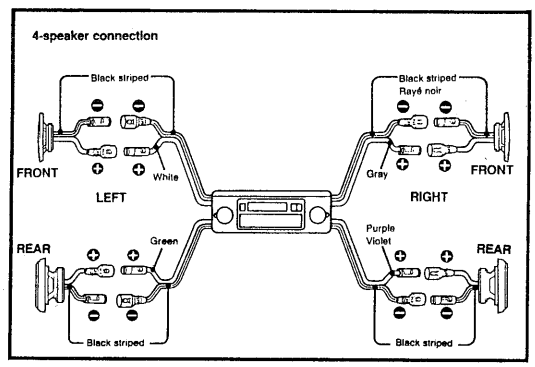
| | |
|---|---|
| Red | Power input lead |
| Yellow | Power input lead |
| Blue | Power antenna relay control lead |
| Black | Ground wire |

**Destination**

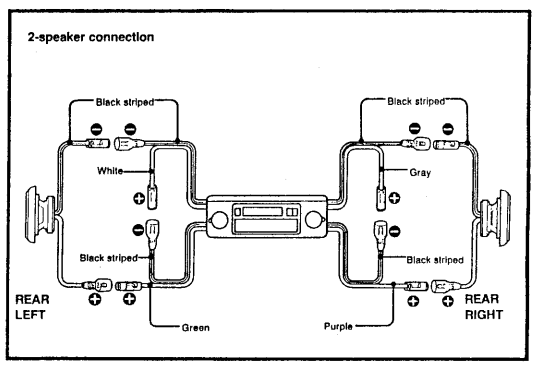
A To the + 12 V power terminal which is energized with the ignition key in the accessory position.

B To the + 12 V terminal which is energized at all times.

**4-speaker connection**




**2-speaker connection**



# SECTION 2
# ADJUSTMENTS

## 2-1. MECHANICAL ADJUSTMENT

No mechanical adjustments applied to this unit.

**Torque Measurement**

| | Torque meter | Meter reading |
|---|---|---|
| FWD | CQ-102C | 40 – 75 g·cm (0.55 – 1.040 oz·inch) |
| FF/REW | CQ-201B | More than 60 g·cm (More than 0.83 oz·inch) |

## 2-2. ELECTRICAL ADJUSTMENTS

- Switches and controls should be set as follows unless otherwise specified.
  VOLUME control: mechanical center
  BALANCE control: center click
  FADER control: center click

**TAPE SECTION**

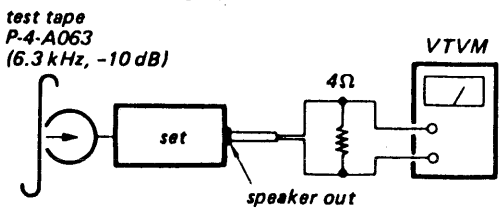
**Playback Head Azimuth Adjustment**

**Setting:**

MTL switch: LCL

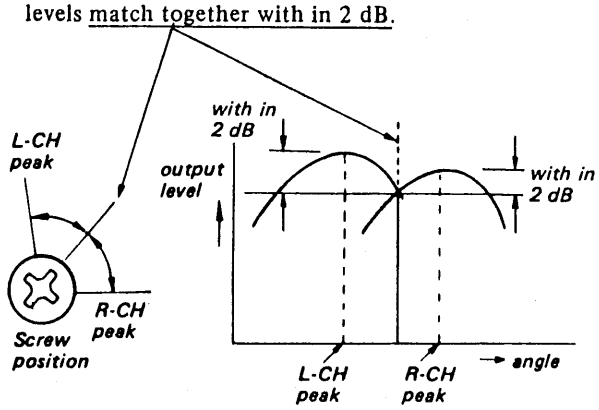
**Procedure:**

1. Mode: forward playback

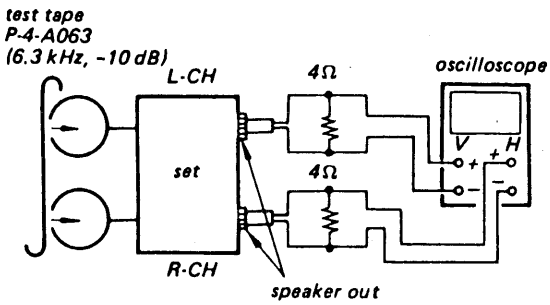


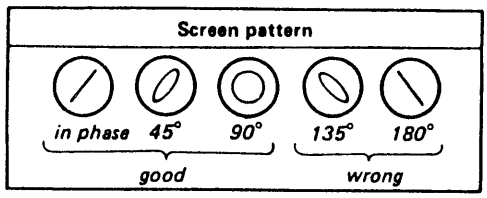

Adjust for forward (▶) direction and reverse (◀) direction.

2. Turn the adjustment screw for the maximum output levels. If these levels do not match, turn the adjustment screw until both of output levels match together with in 2 dB.



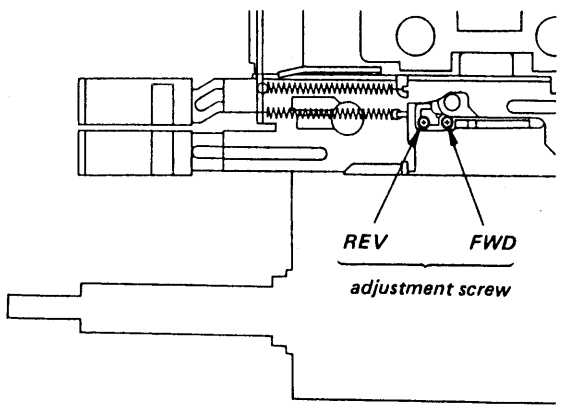

3. Phase Check
   Confirm that phase difference between L-channel and R-channel is within 90°



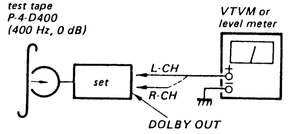

4. Perform steps 1-3 in reverse playback mode, and adjust the adjustment screw until output level of both forward and reverse playback modes matches together.
5. After the adjustment, lock the screws with locking compound.

**Adjustment Location:**



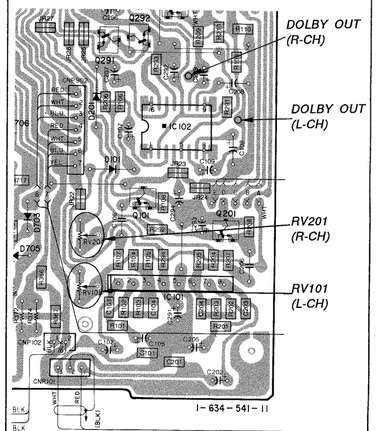
## DOLBY NR Level Adjustment

**Setting:**
DOLBY NR switch: OFF
METAL switch: OFF




**Procedure:**
1. Put the set into the FWD PB mode.
2. Adjust RV101 (L-CH) and RV202 (R-CH) so that VTVM reading is − 6 ± 1 dB.
3. Put the set into RVS PB mode, and check the level in the adjusting value when itis out of order, adjust with RV101 and RV201. And check it in FWD PB mode.

**Adjustment Location:** main board



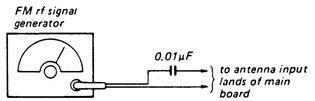

## FM SECTION

The FM front-end is carefully adjusted at the factory and is supplied as one whole block for replacement.

### FM IF Adjustment

**Setup:**
**Note:** center-zero meter should be of high input impedance type.

BAND: FM MONO
Frequency: 97.9 MHz




*Carrier frequency: 97.9 MHz*
*Modulation: 1 kHz, 75 kHz deviation (100%)*
*Output level: 1 mV (60 dB)*
*Mode: monaural*

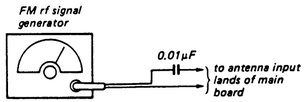
**Procedure:**
Slowly adjust the core of T1 to obtain a zero (0) V reading on VTVM or zero-center DC voltmeter.

**Adjustment Location:** main board

### FM Auto-scan Stop Level Adjustment

**Note:** Be sure to perform this adjustment before "AM Auto-scan Stop Level Adjustment".

**Setup:**
BAND: FM MONO
Frequency: 97.9 MHz

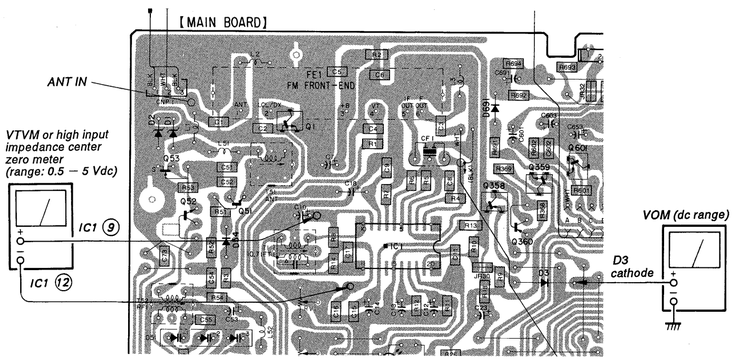



*Carrier frequency: 97.9 MHz*
*Modulation: monaural, no modulation*
*Output level: 17.8 μV (25 dB)*

**Procedure:**
1. Adjust RV1 at the point where voltage reading suddenly changes.
2. Change the FM rf signal generator output and confirm that the point where voltage reading suddenly changes 25 ± 5 dB (20 dB to 30 dB).

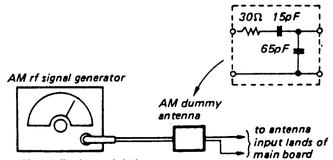
**Adjustment Location:** main board

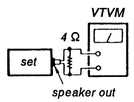
**FM IF Adjustment**




## AM SECTION

### AM IF/Tracking Adjustments



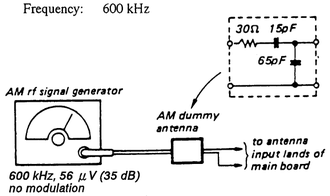

| AM IF ADJUSTMENT | |
|---|---|
| Adjust for a maximum reading on VTVM. | |
| T55, 56 | 450 kHz |

| AM TRACKING ADJUSTMENT | |
|---|---|
| Adjust for a maximum reading on VTVM. | |
| T52, 53 | 600 kHz |

### AM Auto-scan Stop Level Adjustment

**Note:** Be sure to perform this adjustment after "FM Auto-scan Stop Adjustment"

**Setup:**
BAND: AM
Frequency: 600 kHz

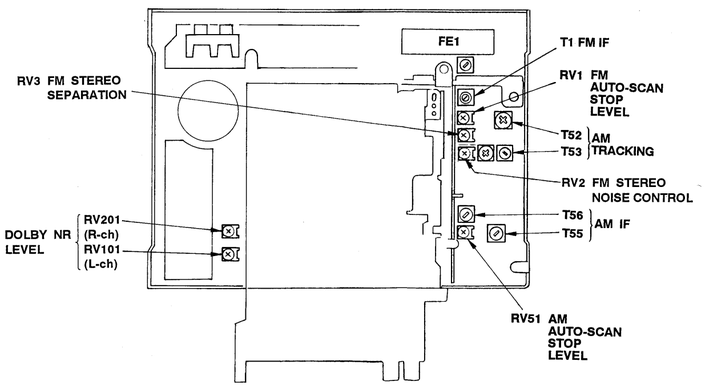



**Procedure:**
1. Adjust RV51 at the point where voltage reading suddenly changes.
2. Change the AM rf signal generator output and confirm that the point where voltage reading suddenly changes is 35 ± 5 dB (30 dB to 40 dB).

**Adjustment Location:** main board

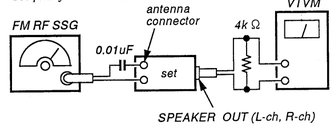
**Adjustment Location:**

**MAIN BOARD** (COMPONENT SIDE)




### FM Stereo Separation/FM Stereo Noise Control Adjustment

**Setting:**
Band switch: FM
Frequency: 98.0 MHz




*Carrier frequency: 98.0 kHz*
*Output level: 70 dB*
*Modulation: main; 1 kHz, 33.75 kHz deviation*
*sub; 1 kHz, 33.75 kHz deviation*
*19 kHz pilot; 7.5 kHz deviation*

**Procedure:**
1. Adjust the volume knob so that the output level becomes to +10 dB.
2. Make FM RF SSG output L-ch only.
3. Adjust with RV3 so that the L-ch signal leakage becomes minimum at R-ch.
4. Make FM RF SSG output level 40 dB.

| FM stereo signal generator output channel | VTVM connection | VTVM reading (dB) |
|---|---|---|
| L-CH | L-CH | Ⓐ |
| R-CH | L-CH | Ⓑ Adjust RV2 for 15 dB or more |
| R-CH | R-CH | Ⓒ |
| L-CH | R-CH | Ⓓ Adjust RV2 for 15 dB or more |

L-CH Stereo separation: Ⓐ − Ⓑ
R-CH Stereo separation: Ⓒ − Ⓓ
The separations of both channels should be equal.

# SECTION 3
# DIAGRAMS

## 3-1. PRINTED WIRING BOARDS

• See page 15 for Semiconductor Lead Layouts.

• **Semiconductor Location**

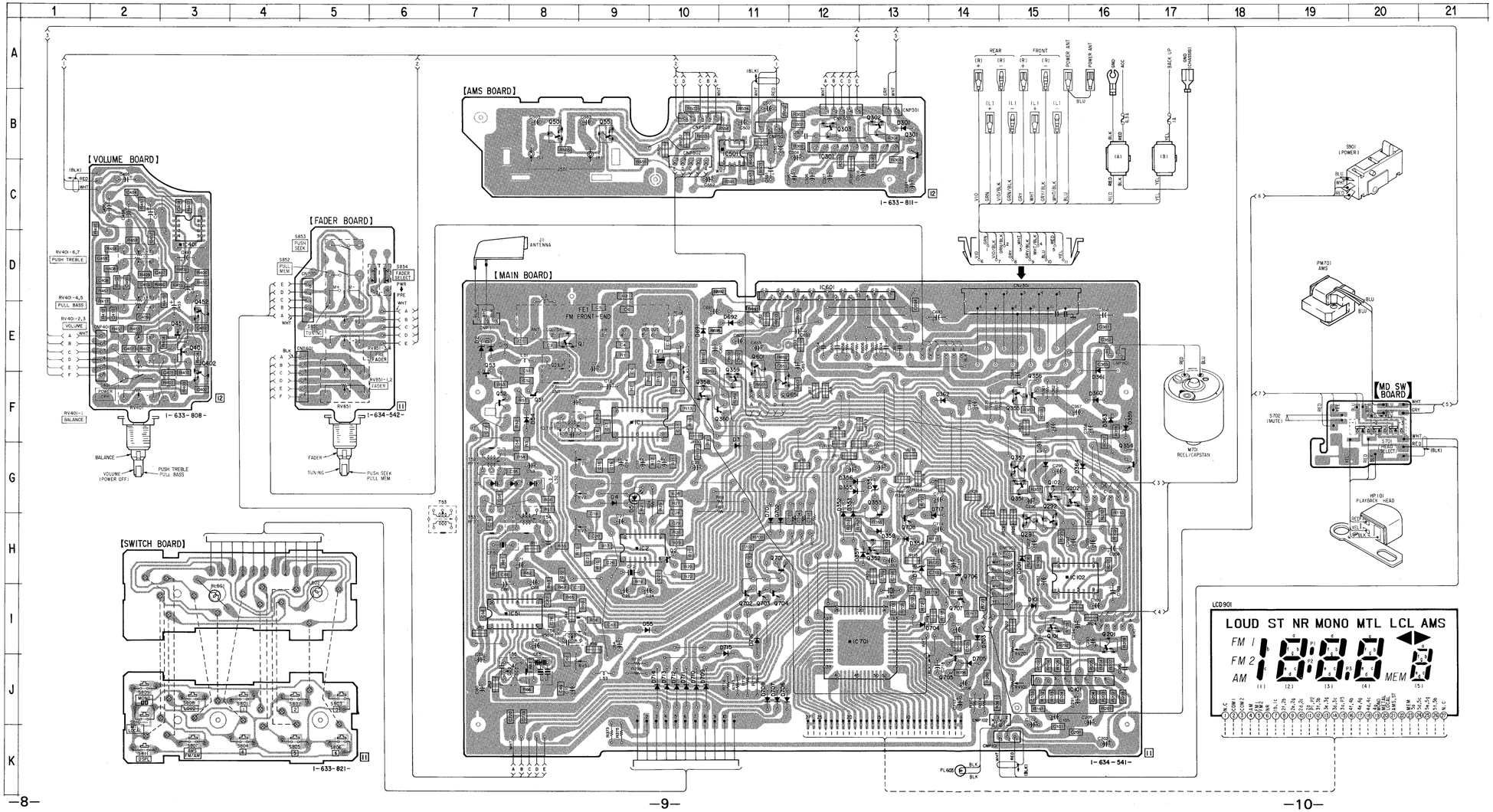
| Ref. No. | Location | Ref. No. | Location | Ref. No. | Location |
|---|---|---|---|---|---|
| D1 | E-7 | D706 | J-11 | Q202 | G-16 |
| D2 | E-7 | D707 | J-11 | Q291 | H-15 |
| D3 | G-11 | D708 | J-11 | Q292 | H-15 |
| D4 | G-9 | D709 | J-10 | Q301 | B-13 |
| D5 | G-9 | D710 | J-10 | Q302 | B-13 |
| D51 | G-8 | D711 | J-10 | Q303 | B-12 |
| D54 | F-8 | D712 | J-10 | Q351 | G-15 |
| D55 | I-9 | D713 | J-10 | Q352 | H-13 |
| D101 | I-15 | D714 | J-10 | Q353 | G-13 |
| D191 | G-15 | D715 | I-11 | Q354 | G-16 |
| D201 | H-15 | D716 | I-11 | Q355 | F-15 |
| D301 | B-13 | D717 | H-14 | Q356 | F-15 |
| D351 | G-13 | D718 | H-13 | Q357 | G-15 |
| D352 | G-12 | | | Q358 | F-10 |
| D353 | G-12 | IC1 | F-9 | Q359 | F-11 |
| D354 | H-13 | IC2 | H-9 | Q360 | F-11 |
| D355 | G-12 | IC51 | I-8 | Q401 | E-3 |
| D356 | G-12 | IC101 | J-15 | Q402 | F-3 |
| D357 | H-13 | IC102 | H-16 | Q451 | E-3 |
| D358 | H-13 | IC301 | B-12 | Q452 | E-3 |
| D359 | F-16 | IC401 | C-3 | Q501 | B-8 |
| D360 | F-16 | IC501 | B-11 | Q551 | B-9 |
| D361 | E-16 | IC601 | D-12 | Q601 | E-11 |
| D362 | F-14 | IC701 | I-12 | Q651 | F-11 |
| D363 | F-16 | | | Q701 | H-11 |
| D364 | G-16 | Q1 | E-8 | Q702 | I-11 |
| D691 | E-10 | Q2 | H-10 | Q703 | I-11 |
| D692 | E-11 | Q51 | F-8 | Q704 | I-11 |
| D701 | H-11 | Q52 | F-7 | Q705 | J-14 |
| D702 | H-11 | Q53 | E-7 | Q706 | H-14 |
| D703 | I-14 | Q101 | I-15 | Q707 | I-14 |
| D704 | I-13 | Q102 | G-15 | Q708 | G-13 |
| D705 | J-14 | Q201 | I-16 | | |

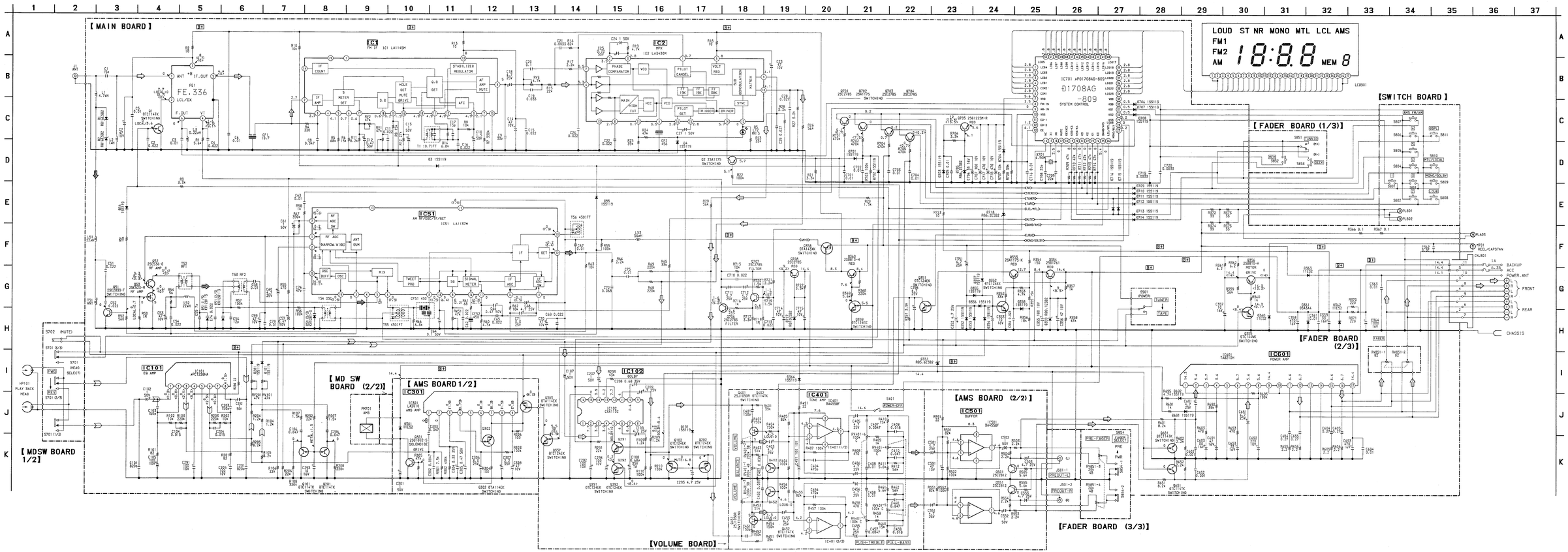
**Note on Printed Wiring Board:**

- ○——— : parts extracted from the component side.
- ▒▒▒▒ : Carbon pattern.

**Note on Schematic Diagram:**

- All capacitors are in µF unless otherwise noted. pF: µµF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼ W or less unless otherwise specified.
- △ : internal component.
- B+ : B + Line.
- ▭ : adjustment for repair.
- Power voltage is dc 14.4 V and fed with regurated dc power supply from ACC and BACK-UP terminals.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark : FM
  ( ) : AM
  < > : TAPE
  ≪ ≫ : AMS
- Voltages are taken with a VOM (10 MΩ/V).
  Voltage variations may be noted due to normal production tolerances.
- Signal path.
  ⇨ : FM
  ⇨ : AM
  ⇨ : PB




【MAIN BOARD】
【SWITCH BOARD】
【FADER BOARD (1/3)】
【FADER BOARD (2/3)】
【FADER BOARD (3/3)】
【MDSW BOARD 1/2】
【MD SW BOARD (2/2)】
【AMS BOARD 1/2】
【AMS BOARD (2/2)】
【VOLUME BOARD】
LOUD ST NR MONO MTL LCL AMS
FM1
FM2
AM
MEM 8
IC1 LA1145M
IC2 LA1450M
IC701 μPD1708AG-809
01708AG
-809
SYSTEM CONTROL
IC101 μPC1228HA
EQ AMP
IC301 LA6010
AMS AMP
IC401 BA4558F
TONE AMP
IC501 BA4558F
BUFFER
IC601 TA8213K
POWER AMP
IC851 LA1837M
AM RF/IF/DET
FE1 FE.336
IC51 LA1137M
FM IF
POWER
TUNER
TAPE
CHASSIS
FRONT
REAR
BACKUP
ACC
POWER ANT
REEL/CAPSTAN
MOTOR
PHONES
FADER
PRE FADER
AMP SELECT
PRE
PWR
VOLUME
BALANCE
TREBLE
BASS
PUSH-TRONE
PLL-BASS
HP101
PLAY BACK HEAD
HEAD SELECT
S702 (MUTE)
S701 (S/S)
S701 (D/S)
S701 (I/S)
PM701
AMS
SW
RF AGC
NARROW WIDE
MIX
OSC
BUFF
TWEET PRE
SIGNAL METER
IF AGC
IF AMP
IF COUNT
S METER DET
HOLE DET
MUTE DRIVE
Q.D DET
AF AMP
MUTE
AFC
STABILIZER REGULATOR
PHASE COMPARATOR
VCO
PILOT CANCEL
VOLT REG
MAIN DIVIDER
HCC
PILOT DET
TRIGGER
DRIVER
SYNC
DEMODULATION
MATRIX
IF TC
IF LOW
RF TC
SWITCHING
TUNER
TAPE
MUTE
CD/MD(SW2)
CLOUD
MONO/DOLBY
CD/MD(SW1)
CLOCK
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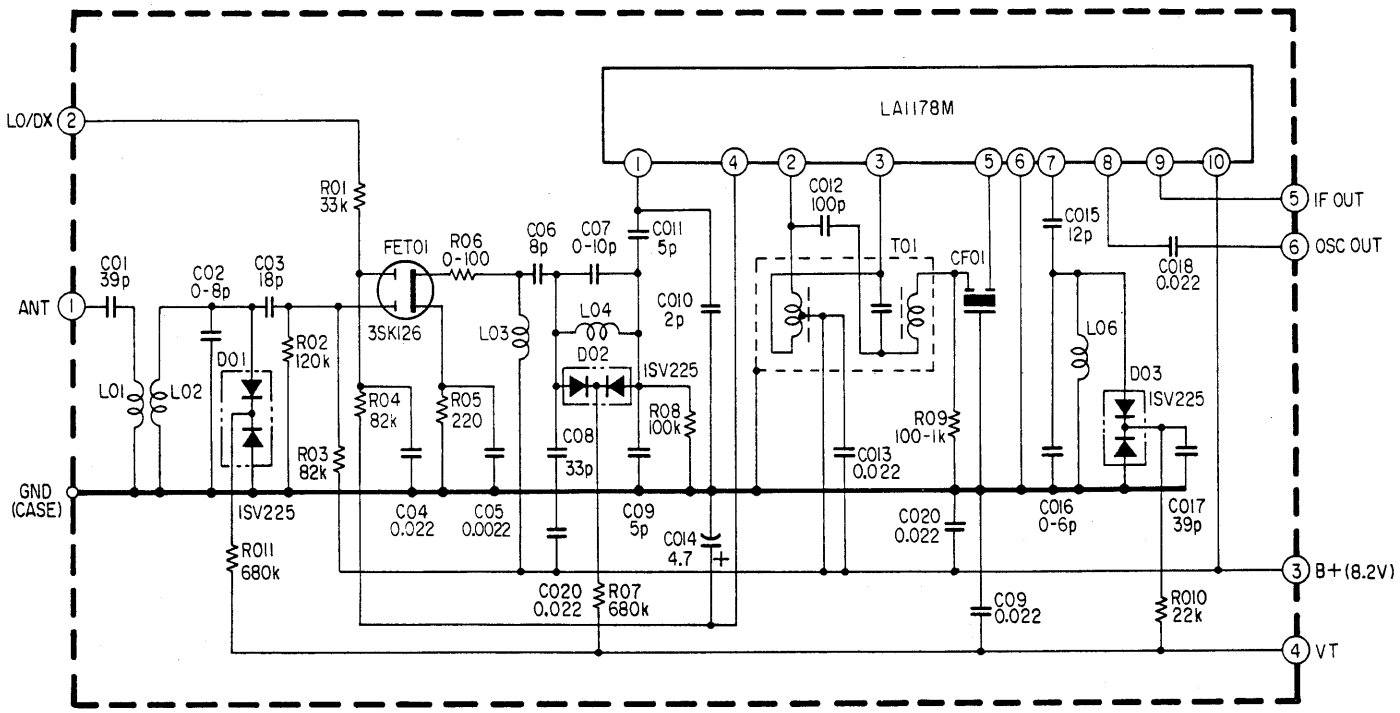
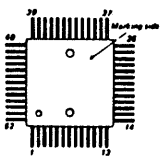
### 3-3. FE1 FM FRONT-END SCHEMATIC DIAGRAM




- **Semiconductor Lead Layouts**

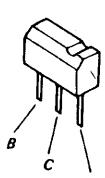
**μPD1708AG-809-00**



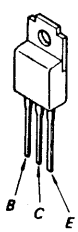
**2SC2840-D**
**2SC536SP-G**

**2SA1175-HFE**
**2SC2785-HFE**

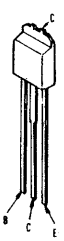
**2SD1225M-R**



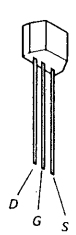

**2SD1761-EF**




**2SD1802-S**

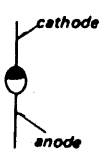



**2SJ105**

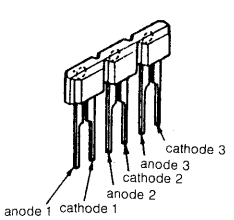



**2SK523-M1**

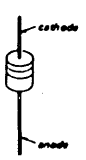
**DSA3A4**




**KV1281-3**




**LTZ-MR15**
**RD10ES-B2**
**RD16ES-B2**
**RD5.6ES-B2**
**RD6.2ES-B2**
**RD9.1ES-B2**
**1SS119**
**11ES2**



# SECTION 4
# EXPLODED VIEWS

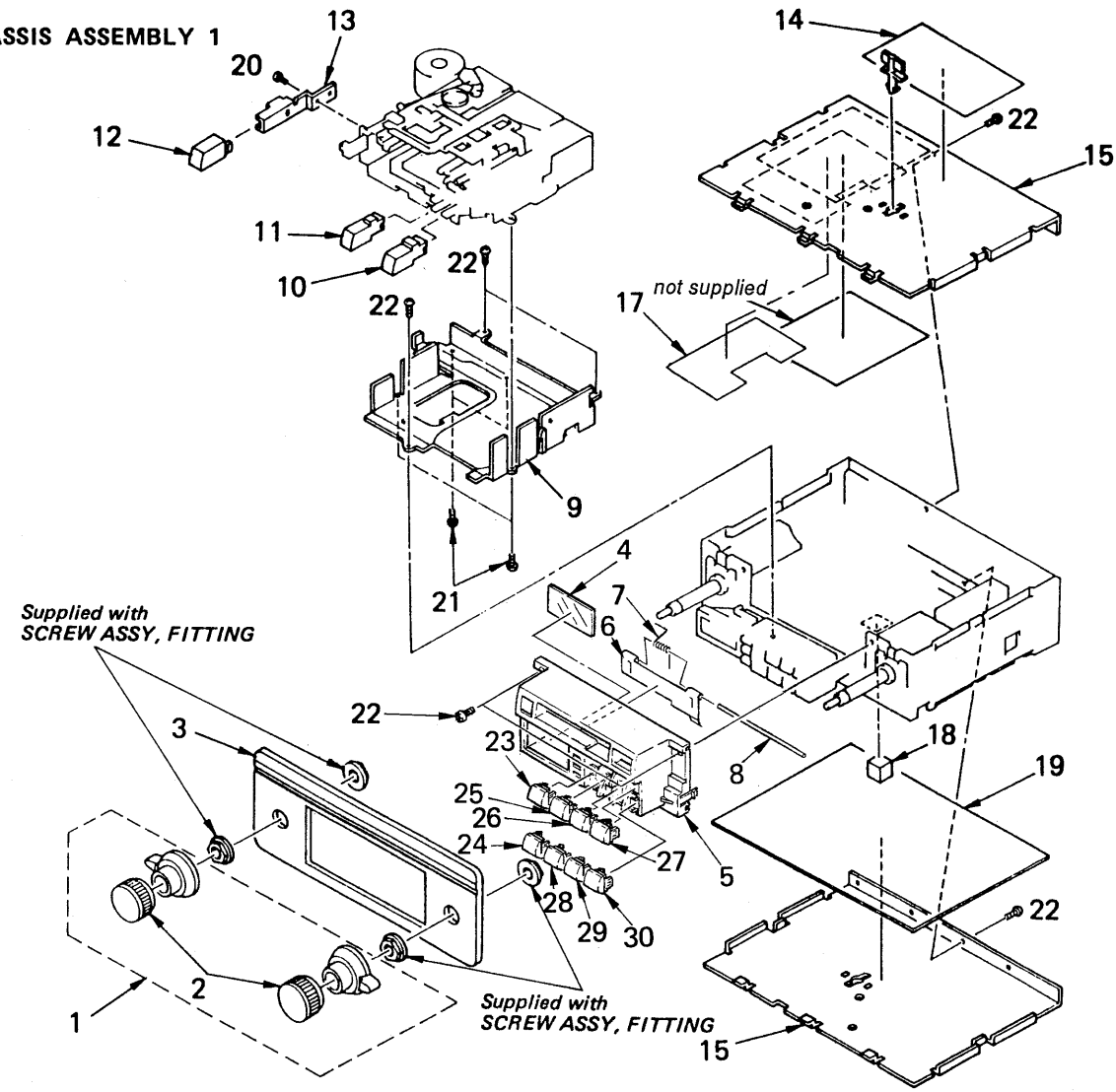
**NOTE:**

- The mechanical parts with no reference number in the exploded views are not supplied.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part number suffix -XX and -X may be different from the parts specified in the components used on the set.
- Color Indication of Appearance Parts
  Example:
  (RED) . . . KNOB, BALANCE (WHITE)
  ↑ ↑
  Cabinet's Color Parts' Color

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

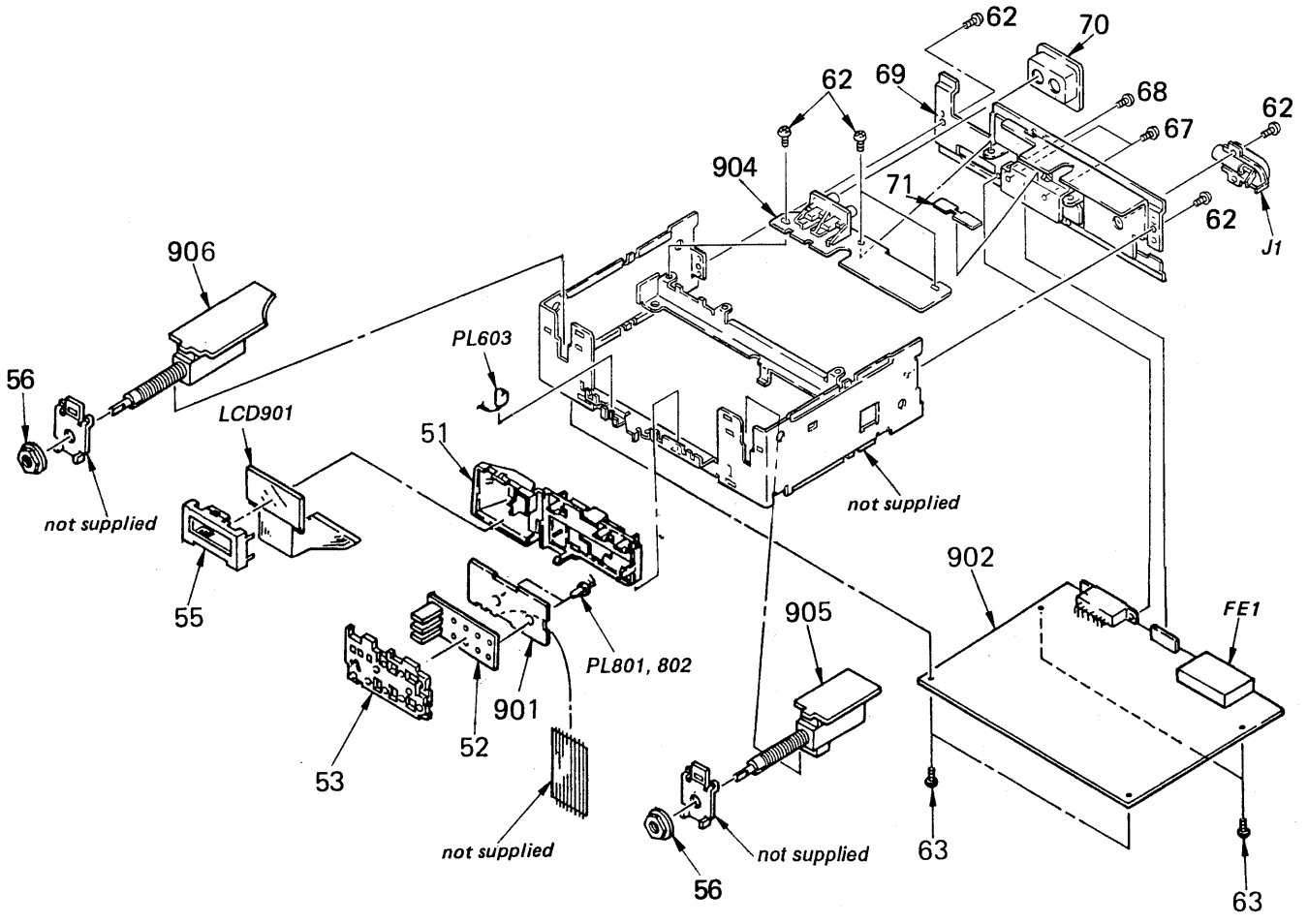
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifé.

## (1) CHASSIS ASSEMBLY 1




| No. | Part No. | Description | Remarks |
|---|---|---|---|
| 1 | X-3391-211-1 | KNOB (1) ASSY | |
| 2 | X-3391-205-1 | KNOB ASSY | |
| 3 | 3-391-763-31 | PLATE, TRIM | |
| 4 | 3-392-469-01 | COVER (DISPLAY) | |
| 5 | 3-358-014-01 | PANEL, FRONT | |
| 6 | X-3358-005-1 | LID ASSY, CASSETTE | |
| 7 | 3-325-945-01 | SPRING | |
| 8 | 3-332-130-01 | SHAFT, C DOOR | |
| 9 | *3-392-413-01 | BRACKET (MD) | |
| 10 | 3-391-754-51 | BUTTON, FF | |
| 11 | 3-391-755-51 | BUTTON, REW | |
| 12 | 3-391-702-31 | BUTTON, EJECT | |
| 13 | 3-392-429-01 | LEVER (EJECT) | |
| 14 | *3-358-008-01 | (Canadian)...LABEL, MODEL NUMBER (CA) | |
| | *3-358-009-01 | (US).....LABEL, MODEL NUMBER (U) | |
| 15 | *3-391-714-11 | LID | |
| 17 | *3-392-434-01 | PLATE, SHIELD | |
| 18 | 3-533-310-11 | CUSHION, CASSETTE LTD | |
| 19 | *3-391-707-01 | SHEET (A), INSULATING | |
| 20 | 7-621-775-00 | SCREW +B 2.6X3 | |
| 21 | 7-685-860-01 | SCREW +BVTT 2.6X4 (S) | |
| 23 | 3-358-006-01 | BUTTON (LOUD) | |
| 24 | 3-358-007-01 | BUTTON (FM/AM) | |
| 25 | 3-392-473-01 | BUTTON (A), 1 | |
| 26 | 3-392-473-11 | BUTTON (A), 2 | |
| 27 | 3-392-474-01 | BUTTON (B), 3 | |
| 28 | 3-392-475-01 | BUTTON (C), 4 | |
| 29 | 3-392-475-11 | BUTTON (C), 5 | |
| 30 | 3-392-476-01 | BUTTON (D), 6 | |

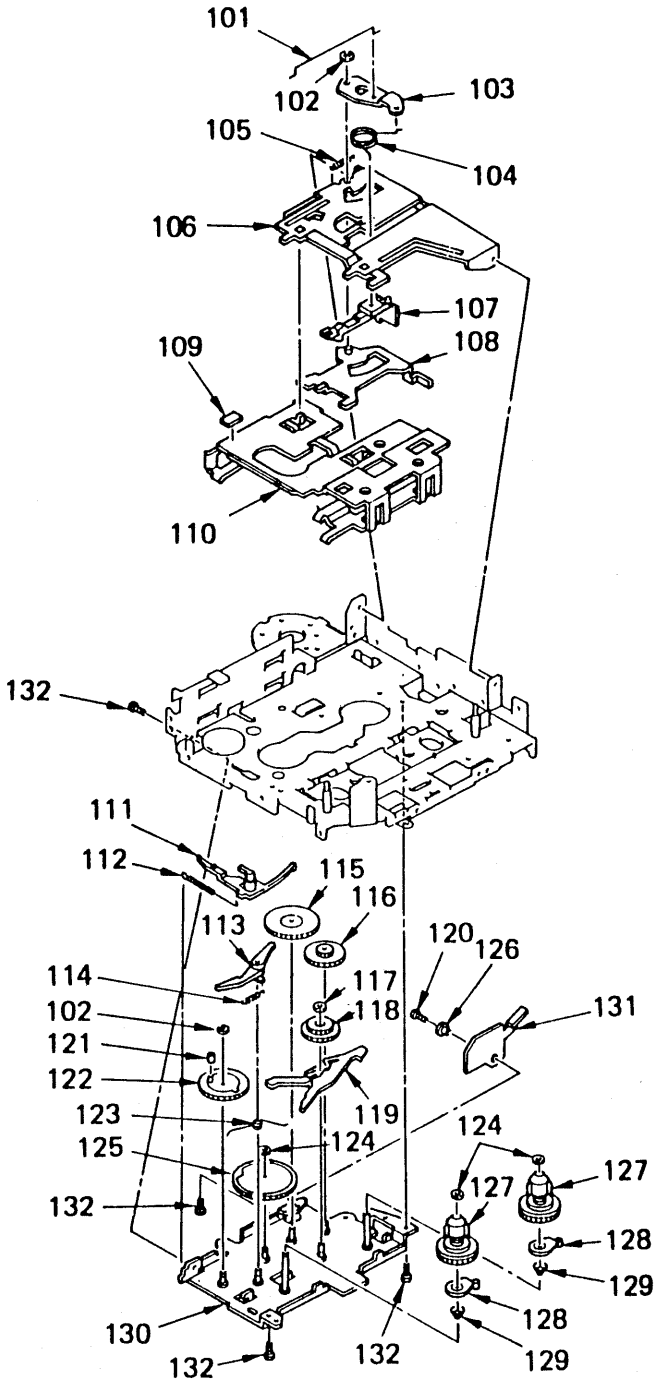
## (2) CHASSIS ASSEMBLY 2




| No. | Part No. | Description | Remarks |
|---|---|---|---|
| 51 | *3-358-013-01 | HOLDER (PWB) | |
| 52 | 3-358-003-01 | BUTTON (KEY TOP) | |
| 53 | *3-358-012-01 | PLATE, LIGHT GUIDE | |
| 55 | *3-392-467-01 | HOLDER (LCD) | |
| 56 | 3-575-039-00 | NUT, CONTROL | |
| 63 | 3-348-067-01 | SCREW (+PTT 2.6X8), GROUND POINT | |
| 67 | 7-685-536-19 | SCREW +BTP 2.6X12 TYPE2 N-S | |
| 68 | 7-685-860-09 | SCREW +BVTT 2.6X4 (S) | |
| 69 | *X-3358-003-1 | CHASSIS (REAR) ASSY | |
| 70 | *3-392-410-01 | COVER (JACK) | |

| No. | Part No. | Description | Remarks |
|---|---|---|---|
| 71 | 3-358-027-01 | SHEET (INSULATING) | |
| 901 | *1-633-821-11 | PC BOARD, CONTROL | |
| 902 | *A-3261-189-A | MOUNTED PCB, MAIN | |
| 904 | *A-3289-788-A | MOUNTED PCB, AMS | |
| 905 | *1-634-542-11 | PC BOARD, FADER | |
| 906 | *A-3281-656-A | MOUNTED PCB, VOLUME | |
| FE1 | 1-465-043-11 | FRONT END, FM | |
| J1 | *1-563-162-11 | SOCKET, CONNECTOR | |
| LCD901 | 1-808-965-11 | DISPLAY PANEL, LIQUID CRYSTAL | |
| PL603 | 1-518-661-11 | LAMP, PILOT | |
| PL801 | 1-518-644-11 | LAMP, PILOT | |
| PL802 | 1-518-644-11 | LAMP, PILOT | |

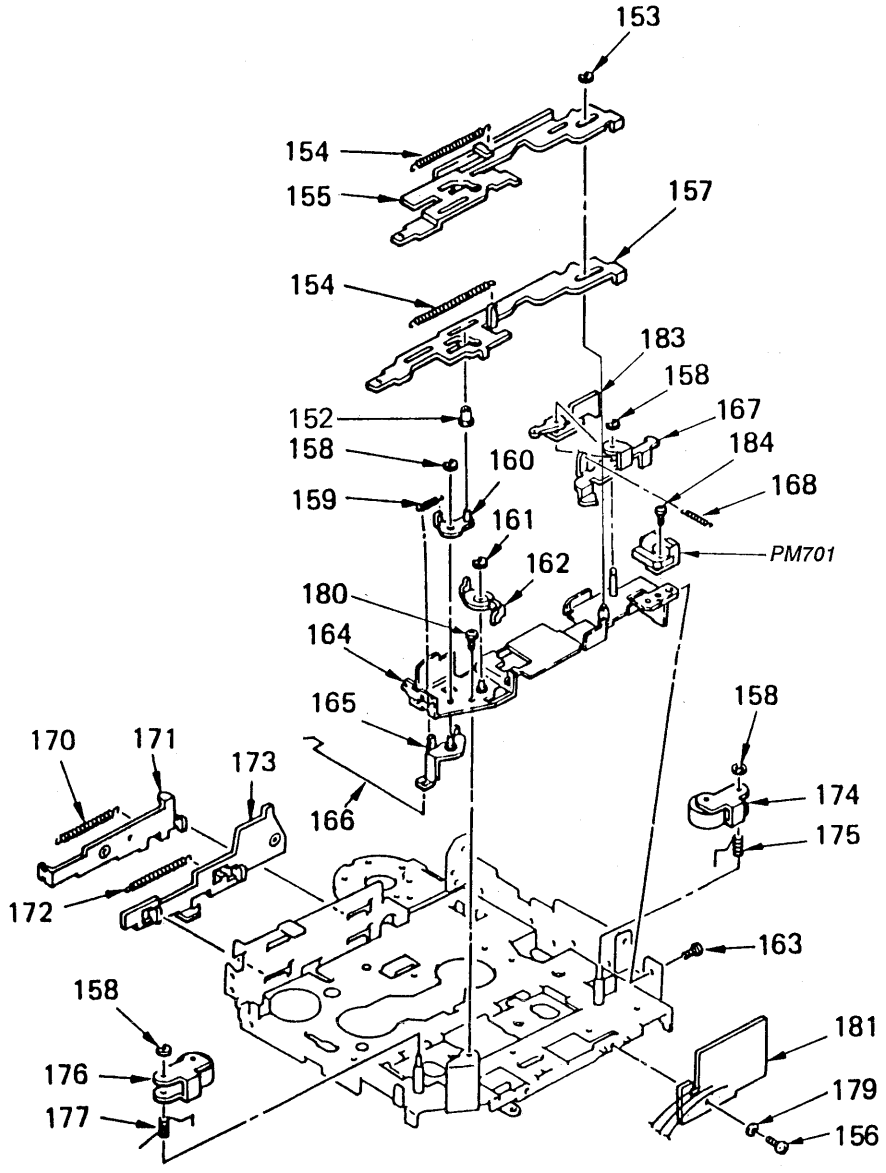
## (3) MD ASSEMBLY 1




| No. | Part No. | Description | Remarks |
|---|---|---|---|
| 101 | 3-392-969-01 | LINK, RETURN | |
| 102 | 7-624-104-04 | STOP RING 2.0, TYPE -E | |
| 103 | *3-392-932-01 | PLATE, CENTER | |
| 104 | 3-392-961-01 | SPRING (B) | |
| 105 | 3-392-953-01 | SPRING | |
| 106 | *3-392-973-01 | HANGER, CASSETTE | |
| 107 | 3-392-972-01 | HOOKER, TAPE | |
| 108 | *3-392-921-01 | LOCK ASSY, EJECT CAM | |
| 109 | *3-392-968-01 | CUSHION, C.H | |
| 110 | *3-392-977-01 | HOLDER, CASSETTE | |
| 111 | 3-392-985-02 | RATCHET | |
| 112 | 3-392-959-01 | SPRING | |
| 113 | 3-392-989-02 | ARM, GEAR LOCK | |
| 114 | 3-392-949-02 | SPRING | |
| 115 | 3-392-937-01 | GEAR (B) | |
| 116 | 3-392-936-01 | GEAR (A) | |

| No. | Part No. | Description | Remarks |
|---|---|---|---|
| 117 | 3-570-615-00 | POLY-WASHER (DIA.1.2) | |
| 118 | 3-392-915-01 | GEAR, IDLE | |
| 119 | 3-392-986-01 | ARM, SENSOR | |
| 120 | 4-908-792-31 | SCREW (B2) (M2X4), TAPPING | |
| 121 | 3-392-944-01 | COLLAR (CELECTER GEAR) | |
| 122 | 3-392-987-01 | GEAR, SELECTOR | |
| 123 | 3-392-960-01 | SPRING | |
| 124 | 3-676-387-00 | POLY-SLIDER (DIA.1.6) | |
| 125 | 3-392-990-01 | GEAR, DETECTION | |
| 126 | 3-392-946-01 | COLLAR, SWITCH ARM | |
| 127 | 3-392-905-01 | SPINDLE ASSY (HSP), REEL | |
| 128 | 3-392-940-01 | CAM, DETECTION | |
| 129 | 3-392-964-01 | SPRING, TENSION | |
| 130 | *3-392-976-01 | BASE ASSY, REEL | |
| 131 | *3-392-982-01 | ARM, SWITCH | |
| 132 | *4-908-792-11 | SCREW (B2X3), TAPPING, P1 | |

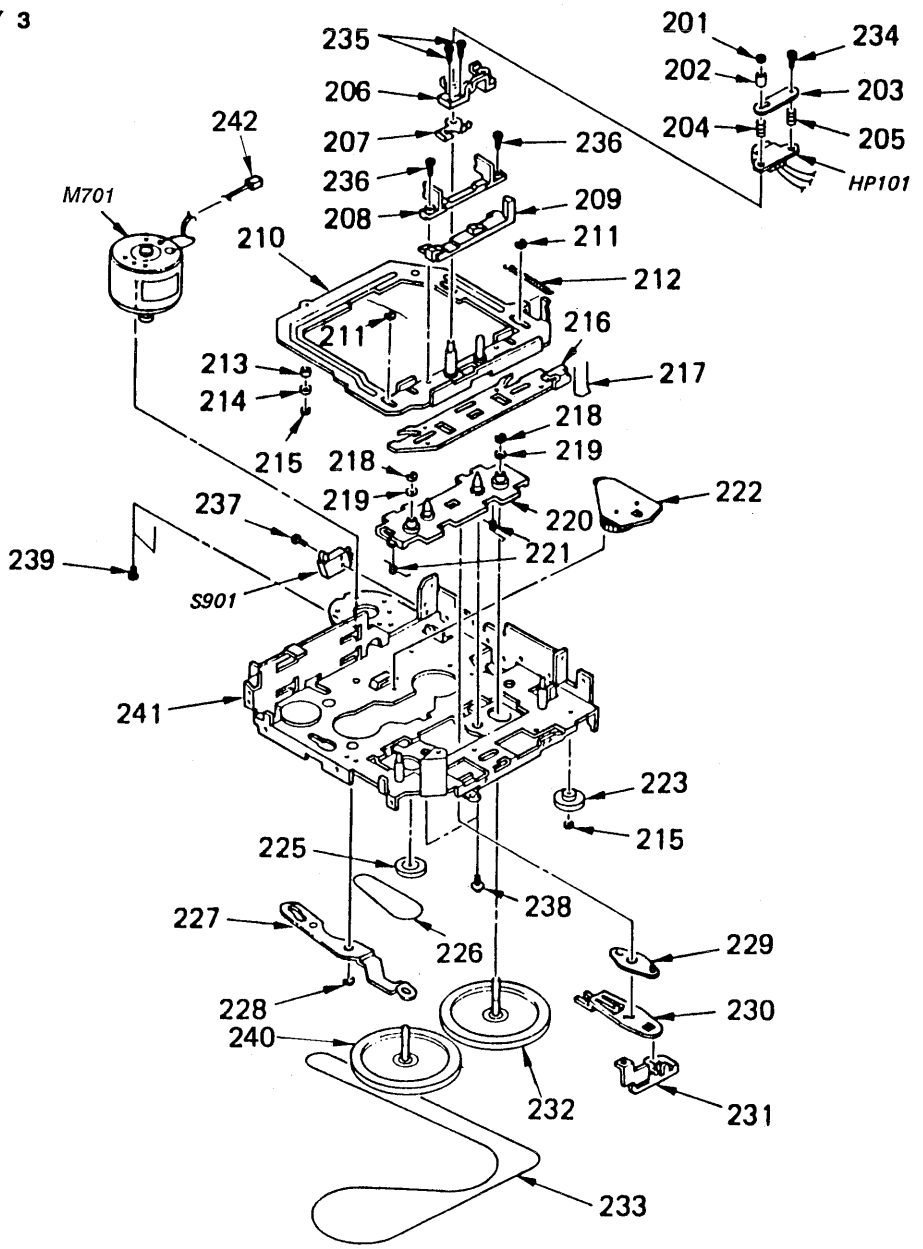
## (4) MD ASSEMBLY 2




| No. | Part No. | Description | Remarks |
|---|---|---|---|
| 152 | 3-392-994-01 | ROLLER, PROGRAM | |
| 153 | 7-624-104-04 | STOP RING 2.0, TYPE -E | |
| 154 | 3-392-948-01 | SPRING | |
| 155 | *3-392-906-01 | LEVER (A), FF | |
| 156 | 4-908-792-31 | SCREW (B2) (M2X4), TAPPING | |
| 157 | *3-392-907-01 | LEVER (A), REW | |
| 158 | 7-624-102-04 | STOP RING 1.5, TYPE -E | |
| 159 | 3-392-954-01 | SPRING | |
| 160 | *3-392-924-01 | ARM ASSY, PROGRAM | |
| 161 | 7-624-105-04 | STOP RING 2.3, TYPE -E | |
| 162 | *3-392-933-01 | LEVER (B), CHANGE | |
| 163 | 7-621-555-10 | SCREW +K 2X3 | |
| 164 | *3-392-993-01 | BRACKET ASSY, LEVER | |
| 165 | *3-392-920-01 | LEVER (A) ASSY, CHANGE | |
| 166 | 3-392-966-01 | LINK, SELECTOR | |

| No. | Part No. | Description | Remarks |
|---|---|---|---|
| 167 | *3-392-904-01 | ARM (A), LOCK | |
| 168 | 3-392-917-01 | SPRING | |
| 170 | 3-392-950-01 | SPRING | |
| 171 | *3-392-978-01 | LEVER, EJECT | |
| 172 | 3-392-951-01 | SPRING | |
| 173 | *3-392-929-01 | CAM ASSY, EJECT | |
| 174 | *3-392-928-01 | ARM (F) ASSY, PINCH | |
| 175 | 3-392-957-01 | SPRING (F) | |
| 176 | *3-392-927-01 | ARM (R) ASSY, PINCH | |
| 177 | 3-392-958-01 | SPRING (R) | |
| 179 | 7-623-205-22 | SW 2, TYPE 2 | |
| 180 | 7-621-255-25 | SCREW +PTT 2X4 (S) | |
| 181 | 3-392-970-01 | CHASSIS, SWITCH | |
| 183 | 3-392-903-01 | ARM, RELEASE | |
| 184 | 3-896-913-11 | SCREW (B2X6), P3 TAPPING | |
| PM701 | 1-454-464-11 | SOLENOID, PLUNGER | |

## (5) MD ASSEMBLY 3




| No. | Part No. | Description | Remarks |
|---|---|---|---|
| 201 | 3-676-387-00 | POLY-SLIDER (DIA.1.6) | |
| 202 | 3-392-998-01 | ROLLER (A), FF | |
| 203 | *3-392-930-01 | RETAINER, SPRING | |
| 204 | 3-392-956-01 | SPRING (A) | |
| 205 | 3-392-955-01 | SPRING (A) | |
| 206 | 3-392-988-01 | ARM, ADJUSTOR | |
| 207 | 3-392-931-01 | SEAM, ADJUSTOR | |
| 208 | 3-392-984-01 | GUIDE, TAPE | |
| 209 | 3-392-971-01 | LINK, ADJUSTOR | |
| 210 | *3-392-975-02 | PLATE ASSY, HEAD | |
| 211 | 7-624-105-04 | STOP RING 2.3, TYPE -E | |
| 212 | 3-392-952-01 | SPRING | |
| 213 | 3-392-942-01 | ROLLER (B), H.P | |
| 214 | 3-392-945-01 | ROLLER (A), H.P | |
| 215 | 3-570-615-00 | POLY-WASHER (DIA.1.2) | |
| 216 | *3-392-919-01 | ARM ASSY, F, R SELECTION | |
| 217 | 3-392-962-01 | SPRING | |
| 218 | 3-590-768-00 | RING (A), E | |
| 219 | 3-701-437-11 | POLY-SLIDER (A) | |
| 220 | 3-392-914-01 | BRACKET ASSY, CM | |
| 221 | 3-392-963-01 | SPRING (R) | |
| 222 | 3-392-916-01 | ARM ASSY, TU GEAR | |

| No. | Part No. | Description | Remarks |
|---|---|---|---|
| 223 | 3-392-941-01 | PULLEY (A), IDLE | |
| 225 | 3-392-938-01 | GEAR, PULLY | |
| 226 | 3-392-965-01 | BELT (B), SUB | |
| 227 | *3-392-979-01 | LEVER, REVERSE | |
| 228 | 7-624-104-04 | STOP RING 2.0, TYPE -E | |
| 229 | *3-392-925-01 | ARM (A) ASSY, F.R | |
| 230 | *3-392-939-01 | ARM, FF | |
| 231 | *3-392-934-01 | ARM (B), F.R | |
| 232 | 3-392-926-02 | FLYWHEEL ASSY | |
| 233 | 3-392-967-01 | BELT, MAIN | |
| 234 | 7-627-553-48 | SCREW, PRECISION +P 2X4 | |
| 235 | 3-392-909-01 | SCREW, AZIMUTH ADJUSTMENT | |
| 236 | 7-627-553-88 | SCREW, PRECISION +P 2X7 | |
| 237 | 3-318-203-11 | SCREW (B1.7X6), TAPPING | |
| 238 | 3-392-918-01 | SCREW, EJECT HOOK | |
| 239 | 7-627-554-07 | PRECISION SCREW +P 2X2.2 TYPE3 | |
| 240 | 3-392-995-02 | FLYWHEEL ASSY (R) | |
| 241 | *3-392-974-01 | CHASSIS ASSY, MAIN | |
| 242 | *3-392-901-01 | CONNECTOR ASSY (2P) | |
| HP101 | 1-543-717-11 | HEAD, MAGNETIC (PLAYBACK) | |
| M701 | 3-392-908-02 | MOTOR ASSY | |
| S901 | 1-554-790-11 | SWITCH, POWER (TUNER/TAPE) | |

# SECTION 5
# ELECTRICAL PARTS LIST

**NOTE:**

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:
MF: μF, PF: μμF.

RESISTORS
- All resistors are in ohms.
- F: nonflammable

COILS
- MMH: mH, UH: μH

SEMICONDUCTORS
In each case, U: μ, for example:
UA...: μA..., UPA...: μPA...,
UPC...: μPC, UPD...: μPD...

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

| Ref.No. | Part No. | Description | | |
|---|---|---|---|---|
| 901 | *1-633-821-11 | PC BOARD, CONTROL | | |
| 902 | *A-3261-189-A | MOUNTED PCB, MAIN | | |
| 904 | *A-3289-788-A | MOUNTED PCB, AMS | | |
| 905 | *1-634-542-11 | PC BOARD, FADER | | |
| 906 | *A-3281-656-A | MOUNTED PCB, VOLUME | | |
| C1 | 1-163-105-00 | CERAMIC CHIP 33PF | 5% | 50V |
| C2 | 1-163-037-11 | CERAMIC CHIP 0.022MF | 10% | 25V |
| C3 | 1-164-232-11 | CERAMIC CHIP 0.01MF | 10% | 50V |
| C4 | 1-163-037-11 | CERAMIC CHIP 0.022MF | 10% | 25V |
| C5 | 1-164-232-11 | CERAMIC CHIP 0.01MF | 10% | 50V |
| C6 | 1-164-232-11 | CERAMIC CHIP 0.01MF | 10% | 50V |
| C7 | 1-124-230-61 | ELECT 47MF | 20% | 10V |
| C8 | 1-163-809-11 | CERAMIC CHIP 0.047MF | 10% | 25V |
| C9 | 1-163-105-00 | CERAMIC CHIP 33PF | 5% | 50V |
| C10 | 1-124-256-00 | ELECT 1.5MF | 20% | 50V |
| C11 | 1-163-037-11 | CERAMIC CHIP 0.022MF | 10% | 25V |
| C12 | 1-126-159-11 | ELECT 0.47MF | 20% | 50V |
| C13 | 1-124-438-00 | ELECT 1MF | 20% | 50V |
| C14 | 1-124-589-11 | ELECT 47MF | 20% | 10V |
| C15 | 1-163-037-11 | CERAMIC CHIP 0.022MF | 10% | 25V |
| C16 | 1-163-037-11 | CERAMIC CHIP 0.022MF | 10% | 25V |
| C17 | 1-163-097-00 | CERAMIC CHIP 15PF | 5% | 50V |
| C18 | 1-126-094-11 | ELECT 4.7MF | 20% | 25V |
| C19 | 1-163-989-11 | CERAMIC CHIP 0.033MF | 10% | 25V |
| C20 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% | 25V |
| C21 | 1-164-182-11 | CERAMIC CHIP 0.0033MF | 10% | 50V |
| C22 | 1-163-037-11 | CERAMIC CHIP 0.022MF | 10% | 25V |
| C23 | 1-124-589-11 | ELECT 47MF | 20% | 10V |
| C24 | 1-124-438-00 | ELECT 1MF | 20% | 50V |
| C25 | 1-124-464-11 | ELECT 0.22MF | 20% | 50V |
| C26 | 1-163-037-11 | CERAMIC CHIP 0.022MF | 10% | 25V |
| C27 | 1-124-438-00 | ELECT 1MF | 20% | 50V |
| C28 | 1-163-986-00 | CERAMIC CHIP 0.027MF | 10% | 25V |
| C29 | 1-163-986-00 | CERAMIC CHIP 0.027MF | 10% | 25V |
| C51 | 1-163-037-11 | CERAMIC CHIP 0.022MF | 10% | 25V |
| C52 | 1-163-037-11 | CERAMIC CHIP 0.022MF | 10% | 25V |
| C53 | 1-124-589-11 | ELECT 47MF | 20% | 10V |
| C54 | 1-163-037-11 | CERAMIC CHIP 0.022MF | 10% | 25V |
| C55 | 1-163-090-00 | CERAMIC CHIP 7PF | 0.25PF | 50V |
| C56 | 1-163-095-00 | CERAMIC CHIP 12PF | 5% | 50V |
| C57 | 1-124-465-00 | ELECT 0.47MF | 20% | 50V |
| C58 | 1-164-232-11 | CERAMIC CHIP 0.01MF | 10% | 50V |
| C59 | 1-124-589-11 | ELECT 47MF | 20% | 10V |
| C60 | 1-126-094-11 | ELECT 4.7MF | 20% | 25V |
| C61 | 1-126-160-11 | ELECT 1MF | 20% | 50V |
| C62 | 1-163-037-11 | CERAMIC CHIP 0.022MF | 10% | 25V |
| C63 | 1-164-232-11 | CERAMIC CHIP 0.01MF | 10% | 50V |
| C64 | 1-124-463-00 | ELECT 0.1MF | 20% | 50V |
| C65 | 1-163-037-11 | CERAMIC CHIP 0.022MF | 10% | 25V |
| C66 | 1-124-465-00 | ELECT 0.47MF | 20% | 50V |
| C67 | 1-164-232-11 | CERAMIC CHIP 0.01MF | 10% | 50V |
| C68 | 1-126-094-11 | ELECT 4.7MF | 20% | 25V |
| C69 | 1-163-037-11 | CERAMIC CHIP 0.022MF | 10% | 25V |
| C70 | 1-124-589-11 | ELECT 47MF | 20% | 10V |
| C71 | 1-126-162-11 | ELECT 3.3MF | 20% | 25V |
| C72 | 1-163-833-00 | CERAMIC CHIP 0.068MF | 10% | 25V |
| C73 | 1-164-232-11 | CERAMIC CHIP 0.01MF | 10% | 50V |
| C74 | 1-163-037-11 | CERAMIC CHIP 0.022MF | 10% | 25V |
| C75 | 1-164-232-11 | CERAMIC CHIP 0.01MF | 10% | 50V |
| C76 | 1-163-109-00 | CERAMIC CHIP 47PF | 5% | 50V |
| C101 | 1-163-139-00 | CERAMIC CHIP 820PF | 10% | 50V |
| C102 | 1-126-160-11 | ELECT 1MF | 20% | 50V |
| C103 | 1-163-121-00 | CERAMIC CHIP 150PF | 5% | 50V |
| C104 | 1-163-023-00 | CERAMIC CHIP 0.015MF | 10% | 50V |
| C105 | 1-124-584-00 | ELECT 100MF | 20% | 10V |
| C106 | 1-136-161-00 | FILM 0.047MF | 5% | 50V |
| C107 | 1-126-160-11 | ELECT 1MF | 20% | 50V |
| C108 | 1-131-587-11 | TANTALUM 0.68MF | 10% | 35V |
| C109 | 1-126-094-11 | ELECT 4.7MF | 20% | 25V |
| C201 | 1-163-139-00 | CERAMIC CHIP 820PF | 10% | 50V |
| C202 | 1-126-160-11 | ELECT 1MF | 20% | 50V |
| C203 | 1-163-121-00 | CERAMIC CHIP 150PF | 5% | 50V |
| C204 | 1-163-023-00 | CERAMIC CHIP 0.015MF | 10% | 50V |
| C205 | 1-124-584-00 | ELECT 100MF | 20% | 10V |
| C206 | 1-136-161-00 | FILM 0.047MF | 5% | 50V |
| C207 | 1-126-160-11 | ELECT 1MF | 20% | 50V |
| C208 | 1-131-587-11 | TANTALUM 0.68MF | 10% | 35V |
| C209 | 1-126-094-11 | ELECT 4.7MF | 20% | 25V |
| C291 | 1-124-443-00 | ELECT 100MF | 20% | 10V |
| C292 | 1-124-584-00 | ELECT 100MF | 20% | 10V |
| C293 | 1-126-157-11 | ELECT 10MF | 20% | 16V |
| C294 | 1-124-584-00 | ELECT 100MF | 20% | 10V |
| C295 | 1-126-094-11 | ELECT 4.7MF | 20% | 25V |
| C296 | 1-126-094-11 | ELECT 4.7MF | 20% | 25V |
| C301 | 1-126-160-11 | ELECT 1MF | 20% | 50V |
| C302 | 1-163-017-00 | CERAMIC CHIP 0.0047MF | 10% | 50V |
| C303 | 1-136-161-00 | FILM 0.047MF | 5% | 50V |
| C304 | 1-131-344-00 | TANTALUM 0.33MF | 10% | 35V |
| C305 | 1-124-465-00 | ELECT 0.47MF | 20% | 50V |
| C306 | 1-126-162-11 | ELECT 3.3MF | 20% | 25V |
| C307 | 1-124-257-00 | ELECT 2.2MF | 20% | 35V |
| C308 | 1-124-589-11 | ELECT 47MF | 20% | 10V |
| C351 | 1-126-094-11 | ELECT 4.7MF | 20% | 25V |
| C352 | 1-126-094-11 | ELECT 4.7MF | 20% | 25V |
| C353 | 1-126-157-11 | ELECT 10MF | 20% | 16V |

| Ref.No. | Part No. | Description | | | |
|---|---|---|---|---|---|
| C354 | 1-163-037-11 | CERAMIC CHIP | 0.022MF | 10% | 25V |
| C355 | 1-124-584-00 | ELECT | 100MF | 20% | 10V |
| C356 | 1-124-589-11 | ELECT | 47MF | 20% | 10V |
| C357 | 1-126-157-11 | ELECT | 10MF | 20% | 16V |
| C358 | 1-126-103-11 | ELECT | 470MF | 20% | 16V |
| C359 | 1-124-242-00 | ELECT | 33MF | 20% | 16V |
| C361 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C362 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C363 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C401 | 1-163-121-00 | CERAMIC CHIP | 150PF | 5% | 50V |
| C402 | 1-162-587-11 | CERAMIC CHIP | 0.039MF | 10% | 25V |
| C403 | 1-126-094-11 | ELECT | 4.7MF | 20% | 25V |
| C404 | 1-163-005-11 | CERAMIC CHIP | 470PF | 10% | 50V |
| C405 | 1-126-094-11 | ELECT | 4.7MF | 20% | 25V |
| C406 | 1-126-094-11 | ELECT | 4.7MF | 20% | 25V |
| C407 | 1-163-017-00 | CERAMIC CHIP | 0.0047MF | 10% | 50V |
| C408 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C409 | 1-163-024-00 | CERAMIC CHIP | 0.018MF | 10% | 50V |
| C410 | 1-163-809-11 | CERAMIC CHIP | 0.047MF | 10% | 25V |
| C451 | 1-163-121-00 | CERAMIC CHIP | 150PF | 5% | 50V |
| C452 | 1-162-587-11 | CERAMIC CHIP | 0.039MF | 10% | 25V |
| C453 | 1-126-094-11 | ELECT | 4.7MF | 20% | 25V |
| C454 | 1-163-005-11 | CERAMIC CHIP | 470PF | 10% | 50V |
| C455 | 1-126-094-11 | ELECT | 4.7MF | 20% | 25V |
| C456 | 1-126-094-11 | ELECT | 4.7MF | 20% | 25V |
| C457 | 1-163-017-00 | CERAMIC CHIP | 0.0047MF | 10% | 50V |
| C458 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C459 | 1-163-024-00 | CERAMIC CHIP | 0.018MF | 10% | 50V |
| C460 | 1-163-809-11 | CERAMIC CHIP | 0.047MF | 10% | 25V |
| C491 | 1-124-584-00 | ELECT | 100MF | 20% | 10V |
| C501 | 1-126-094-11 | ELECT | 4.7MF | 20% | 25V |
| C502 | 1-126-160-11 | ELECT | 1MF | 20% | 50V |
| C503 | 1-126-094-11 | ELECT | 4.7MF | 20% | 25V |
| C551 | 1-126-094-11 | ELECT | 4.7MF | 20% | 25V |
| C552 | 1-126-160-11 | ELECT | 1MF | 20% | 50V |
| C553 | 1-126-094-11 | ELECT | 4.7MF | 20% | 25V |
| C591 | 1-124-589-11 | ELECT | 47MF | 20% | 10V |
| C601 | 1-126-094-11 | ELECT | 4.7MF | 20% | 25V |
| C602 | 1-163-009-11 | CERAMIC CHIP | 0.001MF | 10% | 50V |
| C603 | 1-124-963-11 | ELECT | 33MF | 20% | 16V |
| C604 | 1-130-773-11 | FILM | 0.27MF | 10% | 63V |
| C605 | 1-130-773-11 | FILM | 0.27MF | 10% | 63V |
| C651 | 1-126-094-11 | ELECT | 4.7MF | 20% | 25V |
| C652 | 1-163-009-11 | CERAMIC CHIP | 0.001MF | 10% | 50V |
| C653 | 1-124-963-11 | ELECT | 33MF | 20% | 16V |
| C654 | 1-130-773-11 | FILM | 0.27MF | 10% | 63V |
| C655 | 1-130-773-11 | FILM | 0.27MF | 10% | 63V |
| C691 | 1-124-589-11 | ELECT | 47MF | 20% | 16V |
| C692 | 1-126-176-11 | ELECT | 220MF | 20% | 10V |
| C693 | 1-126-103-11 | ELECT | 470MF | 20% | 16V |
| C694 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C701 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C702 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C703 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C704 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C705 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C706 | 1-124-242-00 | ELECT | 33MF | 20% | 16V |

| Ref.No. | Part No. | Description | | | |
|---|---|---|---|---|---|
| C707 | 1-124-584-00 | ELECT | 100MF | 20% | 10V |
| C708 | 1-163-100-00 | CERAMIC CHIP | 20PF | 5% | 50V |
| C709 | 1-163-101-00 | CERAMIC CHIP | 22PF | 5% | 50V |
| C710 | 1-163-037-11 | CERAMIC CHIP | 0.022MF | 10% | 25V |
| C711 | 1-126-094-11 | ELECT | 4.7MF | 20% | 25V |
| C712 | 1-126-094-11 | ELECT | 4.7MF | 20% | 25V |
| C713 | 1-163-037-11 | CERAMIC CHIP | 0.022MF | 10% | 25V |
| C714 | 1-124-589-11 | ELECT | 47MF | 20% | 10V |
| C715 | 1-124-589-11 | ELECT | 47MF | 20% | 10V |
| C716 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C717 | 1-124-472-11 | ELECT | 470MF | 20% | 10V |
| C718 | 1-124-472-11 | ELECT | 470MF | 20% | 10V |
| CF1 | 1-567-107-00 | FILTER, CERAMIC | | | |
| CF2 | 1-567-250-11 | OSCILLATOR, CERAMIC | | | |
| CF51 | 1-567-309-11 | FILTER, CERAMIC | | | |
| CF52 | 1-527-981-00 | FILTER, CERAMIC | | | |
| CNJ301 | *1-569-362-11 | CONNECTOR | | | |
| CNP1 | *1-506-985-11 | PIN, CONNECTOR (PC BOARD) 3P | | | |
| CNP101 | *1-506-985-11 | PIN, CONNECTOR (PC BOARD) 3P | | | |
| CNP103 | *1-506-984-11 | PIN, CONNECTOR (PC BOARD) 2P | | | |
| CNP301 | *1-506-984-11 | PIN, CONNECTOR (PC BOARD) 2P | | | |
| CNP302 | *1-506-987-11 | PIN, CONNECTOR (PC BOARD) 5P | | | |
| CNP401 | *1-506-988-11 | PIN, CONNECTOR (PC BOARD) 6P | | | |
| CNP501 | *1-506-985-11 | PIN, CONNECTOR (PC BOARD) 3P | | | |
| CNP502 | 1-506-987-11 | PIN, CONNECTOR (PC BOARD) 5P | | | |
| CNP503 | 1-506-987-11 | PIN, CONNECTOR (PC BOARD) 5P | | | |
| CNP601 | *1-506-988-11 | PIN, CONNECTOR (PC BOARD) 6P | | | |
| CNP701 | *1-506-987-11 | PIN, CONNECTOR (PC BOARD) 5P | | | |
| CNP901 | *1-564-505-11 | PLUG, CONNECTOR 2P | | | |
| CNP902 | *1-506-989-11 | PIN, CONNECTOR (PC BOARD) 7P | | | |
| D1 | 8-719-110-46 | DIODE RD16ES-B3 | | | |
| D2 | 8-719-110-46 | DIODE RD16ES-B3 | | | |
| D3 | 8-719-911-19 | DIODE 1SS119 | | | |
| D4 | 8-719-911-19 | DIODE 1SS119 | | | |
| D5 | 8-719-970-44 | DIODE LTZ-MR15 | | | |
| D51 | 8-719-981-75 | DIODE KV1281-3-2 | | | |
| D54 | 8-719-911-19 | DIODE 1SS119 | | | |
| D55 | 8-719-911-19 | DIODE 1SS119 | | | |
| D101 | 8-719-911-19 | DIODE 1SS119 | | | |
| D191 | 8-719-911-19 | DIODE 1SS119 | | | |
| D201 | 8-719-911-19 | DIODE 1SS119 | | | |
| D301 | 8-719-200-82 | DIODE 11ES2 | | | |
| D351 | 8-719-109-98 | DIODE RD5.6ES-B2 | | | |
| D352 | 8-719-911-19 | DIODE 1SS119 | | | |
| D353 | 8-719-911-19 | DIODE 1SS119 | | | |
| D354 | 8-719-911-19 | DIODE 1SS119 | | | |
| D355 | 8-719-911-19 | DIODE 1SS119 | | | |
| D356 | 8-719-911-19 | DIODE 1SS119 | | | |
| D357 | 8-719-911-19 | DIODE 1SS119 | | | |
| D358 | 8-719-911-19 | DIODE 1SS119 | | | |
| D359 | 8-719-110-13 | DIODE RD9.1ES-B2 | | | |
| D360 | 8-719-200-82 | DIODE 11ES2 | | | |
| D361 | 8-719-945-59 | DIODE DSA3A4 | | | |
| D362 | 8-719-200-82 | DIODE 11ES2 | | | |
| D363 | 8-719-200-82 | DIODE 11ES2 | | | |
| D364 | 8-719-911-19 | DIODE 1SS119 | | | |
| D691 | 8-719-911-19 | DIODE 1SS119 | | | |

| Ref.No. | Part No. | Description |
|---|---|---|
| D692 | 8-719-911-19 | DIODE 1SS119 |
| D701 | 8-719-911-19 | DIODE 1SS119 |
| D702 | 8-719-911-19 | DIODE 1SS119 |
| D703 | 8-719-911-19 | DIODE 1SS119 |
| D704 | 8-719-911-19 | DIODE 1SS119 |
| D705 | 8-719-109-93 | DIODE RD6.2ES-B2 |
| D706 | 8-719-911-19 | DIODE 1SS119 |
| D707 | 8-719-911-19 | DIODE 1SS119 |
| D708 | 8-719-911-19 | DIODE 1SS119 |
| D709 | 8-719-911-19 | DIODE 1SS119 |
| D710 | 8-719-911-19 | DIODE 1SS119 |
| D711 | 8-719-911-19 | DIODE 1SS119 |
| D712 | 8-719-911-19 | DIODE 1SS119 |
| D713 | 8-719-911-19 | DIODE 1SS119 |
| D714 | 8-719-911-19 | DIODE 1SS119 |
| D715 | 8-719-911-19 | DIODE 1SS119 |
| D716 | 8-719-911-19 | DIODE 1SS119 |
| D717 | 8-719-110-17 | DIODE RD10ES-B2 |
| D718 | 8-719-109-93 | DIODE RD6.2ES-B2 |
| FE1 | 1-465-043-11 | FRONT END, FM |
| HP101 | 1-543-717-11 | HEAD, MAGNETIC (PLAYBACK) |
| IC1 | 8-759-820-53 | IC LA1145M |
| IC2 | 8-759-821-70 | IC LA3430M |
| IC51 | 8-759-821-95 | IC LA1137NM |
| IC101 | 8-759-105-60 | IC UPC1228HA |
| IC102 | 8-752-032-14 | IC CXA1102M |
| IC301 | 8-759-800-71 | IC LA2010 |
| IC401 | 8-759-909-71 | IC BA4558F |
| IC501 | 8-759-909-71 | IC BA4558F |
| IC601 | 8-759-230-25 | IC TA8210H |
| IC701 | 8-759-144-27 | IC UPD1708AG-809-00 |
| J1 | *1-563-162-11 | SOCKET, CONNECTOR |
| J501 | 1-563-716-11 | JACK, PIN |
| JR1 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |
| JR2 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |
| JR3 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |
| JR4 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |
| JR5 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |
| JR6 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |
| JR7 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |
| JR8 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |
| JR9 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |
| JR10 | 1-216-295-00 | METAL GLAZE 0 5% 1/10W |
| JR11 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |
| JR12 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |
| JR13 | 1-216-295-00 | METAL GLAZE 0 5% 1/10W |
| JR15 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |
| JR16 | 1-216-295-00 | METAL GLAZE 0 5% 1/10W |
| JR17 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |
| JR18 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |
| JR19 | 1-216-295-00 | METAL GLAZE 0 5% 1/10W |
| JR20 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |
| JR21 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |
| JR22 | 1-216-295-00 | METAL GLAZE 0 5% 1/10W |
| JR23 | 1-216-295-00 | METAL GLAZE 0 5% 1/10W |
| JR24 | 1-216-295-00 | METAL GLAZE 0 5% 1/10W |
| JR25 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |

| Ref.No. | Part No. | Description |
|---|---|---|
| JR26 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |
| JR27 | 1-216-295-00 | METAL GLAZE 0 5% 1/10W |
| JR28 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |
| JR29 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |
| JR30 | 1-216-295-00 | METAL GLAZE 0 5% 1/10W |
| JR31 | 1-216-295-00 | METAL GLAZE 0 5% 1/10W |
| JR32 | 1-216-295-00 | METAL GLAZE 0 5% 1/10W |
| JR33 | 1-216-295-00 | METAL GLAZE 0 5% 1/10W |
| JR301 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |
| JR501 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |
| JR502 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |
| JR503 | 1-216-295-00 | METAL GLAZE 0 5% 1/10W |
| JW6 | *1-535-303-00 | WIRE, JUMPER |
| JW22 | *1-535-303-00 | WIRE, JUMPER |
| JW23 | *1-535-303-00 | WIRE, JUMPER |
| JW30 | *1-535-303-00 | WIRE, JUMPER |
| JW31 | *1-535-303-00 | WIRE, JUMPER |
| JW33 | *1-535-303-00 | WIRE, JUMPER |
| JW39 | *1-535-303-00 | WIRE, JUMPER |
| JW40 | *1-535-303-00 | WIRE, JUMPER |
| JW42 | *1-535-303-00 | WIRE, JUMPER |
| JW43 | *1-535-303-00 | WIRE, JUMPER |
| JW45 | *1-535-303-00 | WIRE, JUMPER |
| JW46 | *1-535-303-00 | WIRE, JUMPER |
| JW47 | *1-535-303-00 | WIRE, JUMPER |
| JW49 | *1-535-303-00 | WIRE, JUMPER |
| JW50 | *1-535-303-00 | WIRE, JUMPER |
| JW52 | *1-535-303-00 | WIRE, JUMPER |
| JW53 | *1-535-303-00 | WIRE, JUMPER |
| JW403 | *1-535-303-00 | WIRE, JUMPER |
| JW406 | *1-535-303-00 | WIRE, JUMPER |
| JW501 | *1-535-303-00 | WIRE, JUMPER |
| LCD901 | 1-808-965-11 | DISPLAY PANEL, LIQUID CRYSTAL |
| L1 | 1-410-324-11 | INDUCTOR 4.7UH |
| L2 | 1-410-316-11 | INDUCTOR 1UH |
| L3 | 1-410-312-11 | INDUCTOR 0.22UH |
| L51 | 1-410-513-11 | INDUCTOR 22UH |
| L52 | 1-410-513-11 | INDUCTOR 22UH |
| L53 | 1-408-418-00 | INDUCTOR 56UH |
| M701 | 3-392-908-02 | MOTOR ASSY |
| PL603 | 1-518-661-11 | LAMP, PILOT |
| PL801 | 1-518-644-11 | LAMP, PILOT |
| PL802 | 1-518-644-11 | LAMP, PILOT |
| PM701 | 1-454-464-11 | SOLENOID, PLUNGER |
| Q1 | 8-729-902-99 | TRANSISTOR DTC114TK |
| Q2 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE |
| Q51 | 8-729-884-02 | TRANSISTOR 2SC2840-D |
| Q52 | 8-729-853-64 | TRANSISTOR 2SC536SP-G |
| Q53 | 8-729-105-74 | TRANSISTOR 2SK523-M1 |
| Q101 | 8-729-902-99 | TRANSISTOR DTC114TK |
| Q102 | 8-729-901-00 | TRANSISTOR DTC124EK |
| Q201 | 8-729-902-99 | TRANSISTOR DTC114TK |
| Q202 | 8-729-901-00 | TRANSISTOR DTC124EK |
| Q291 | 8-729-901-00 | TRANSISTOR DTC124EK |
| Q292 | 8-729-901-00 | TRANSISTOR DTC124EK |
| Q301 | 8-729-807-12 | TRANSISTOR 2SD1802-S |
| Q302 | 8-729-901-04 | TRANSISTOR DTA114EK |
| Q303 | 8-729-901-04 | TRANSISTOR DTA114EK |
| Q351 | 8-729-901-00 | TRANSISTOR DTC124EK |

| Ref.No. | Part No. | Description |
|---|---|---|
| Q352 | 8-729-901-00 | TRANSISTOR DTC124EK |
| Q353 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE |
| Q354 | 8-729-920-98 | TRANSISTOR 2SD1761-EF |
| Q355 | 8-729-901-03 | TRANSISTOR DTC144WK |
| Q356 | 8-729-205-02 | TRANSISTOR 2SA1150 |
| Q357 | 8-729-901-00 | TRANSISTOR DTC124EK |
| Q358 | 8-729-906-45 | TRANSISTOR DTA143XK |
| Q359 | 8-729-901-00 | TRANSISTOR DTC124EK |
| Q360 | 8-729-205-02 | TRANSISTOR 2SA1150 |
| Q401 | 8-729-207-36 | TRANSISTOR 2SJ105 |
| Q402 | 8-729-902-99 | TRANSISTOR DTC114TK |
| Q451 | 8-729-207-36 | TRANSISTOR 2SJ105 |
| Q452 | 8-729-902-99 | TRANSISTOR DTC114TK |
| Q501 | 8-729-820-79 | TRANSISTOR 2SC2812-L5L6 |
| Q551 | 8-729-820-79 | TRANSISTOR 2SC2812-L5L6 |
| Q601 | 8-729-902-99 | TRANSISTOR DTC114TK |
| Q651 | 8-729-902-99 | TRANSISTOR DTC114TK |
| Q701 | 8-729-119-78 | TRANSISTOR 2SC2785OHFE |
| Q702 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE |
| Q703 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE |
| Q704 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE |
| Q705 | 8-729-967-32 | TRANSISTOR 2SC2673 |
| Q706 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE |
| Q707 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE |
| Q708 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE |
| R1 | 1-216-067-00 | METAL GLAZE 5.6K 5% 1/10W |
| R2 | 1-216-150-00 | METAL GLAZE 10 5% 1/8W |
| R3 | 1-216-061-00 | METAL GLAZE 3.3K 5% 1/10W |
| R4 | 1-216-037-00 | METAL GLAZE 330 5% 1/10W |
| R5 | 1-216-093-00 | METAL GLAZE 68K 5% 1/10W |
| R6 | 1-216-077-00 | METAL GLAZE 15K 5% 1/10W |
| R7 | 1-216-109-00 | METAL GLAZE 330K 5% 1/10W |
| R8 | 1-216-073-00 | METAL GLAZE 10K 5% 1/10W |
| R9 | 1-216-077-00 | METAL GLAZE 15K 5% 1/10W |
| R10 | 1-216-073-00 | METAL GLAZE 10K 5% 1/10W |
| R11 | 1-216-071-00 | METAL GLAZE 8.2K 5% 1/10W |
| R12 | 1-216-083-00 | METAL GLAZE 27K 5% 1/10W |
| R13 | 1-216-150-00 | METAL GLAZE 10 5% 1/8W |
| R14 | 1-216-069-00 | METAL GLAZE 6.8K 5% 1/10W |
| R15 | 1-216-081-00 | METAL GLAZE 22K 5% 1/10W |
| R16 | 1-216-095-00 | METAL GLAZE 82K 5% 1/10W |
| R17 | 1-216-057-00 | METAL GLAZE 2.2K 5% 1/10W |
| R18 | 1-216-150-00 | METAL GLAZE 10 5% 1/8W |
| R19 | 1-216-065-00 | METAL GLAZE 4.7K 5% 1/10W |
| R20 | 1-216-053-00 | METAL GLAZE 1.5K 5% 1/10W |
| R21 | 1-216-061-00 | METAL GLAZE 3.3K 5% 1/10W |
| R22 | 1-216-097-00 | METAL GLAZE 100K 5% 1/10W |
| R23 | 1-216-085-00 | METAL GLAZE 33K 5% 1/10W |
| R24 | 1-249-437-11 | CARBON 47K 5% 1/4W |
| R25 | 1-216-748-11 | METAL GLAZE 39K 5% 1/10W |
| R26 | 1-216-091-00 | METAL GLAZE 56K 5% 1/10W |
| R27 | 1-216-061-00 | METAL GLAZE 3.3K 5% 1/10W |
| R28 | 1-216-061-00 | METAL GLAZE 3.3K 5% 1/10W |
| R29 | 1-216-091-00 | METAL GLAZE 56K 5% 1/10W |
| R51 | 1-216-073-00 | METAL GLAZE 10K 5% 1/10W |
| R52 | 1-216-043-00 | METAL GLAZE 560 5% 1/10W |
| R53 | 1-216-121-00 | METAL GLAZE 1M 5% 1/10W |
| R54 | 1-216-019-00 | METAL GLAZE 56 5% 1/10W |

| Ref.No. | Part No. | Description |
|---|---|---|
| R55 | 1-216-041-00 | METAL GLAZE 470 5% 1/10W |
| R56 | 1-216-097-00 | METAL GLAZE 100K 5% 1/10W |
| R57 | 1-216-097-00 | METAL GLAZE 100K 5% 1/10W |
| R58 | 1-216-049-00 | METAL GLAZE 1K 5% 1/10W |
| R59 | 1-216-097-00 | METAL GLAZE 100K 5% 1/10W |
| R60 | 1-216-064-00 | METAL GLAZE 4.3K 5% 1/10W |
| R61 | 1-216-021-00 | METAL GLAZE 68 5% 1/10W |
| R62 | 1-216-073-00 | METAL GLAZE 10K 5% 1/10W |
| R63 | 1-216-073-00 | METAL GLAZE 10K 5% 1/10W |
| R64 | 1-216-057-00 | METAL GLAZE 2.2K 5% 1/ |
| R65 | 1-216-085-00 | METAL GLAZE 33K 5% |
| R66 | 1-216-069-00 | METAL GLAZE 6.8K 5% 1/ |
| R67 | 1-216-111-00 | METAL GLAZE 390K 5% 1/10W |
| R68 | 1-247-887-00 | CARBON 220K 5% 1/4W |
| R69 | 1-247-887-00 | CARBON 220K 5% 1/4W |
| R101 | 1-216-023-00 | METAL GLAZE 82 5% 1/10W |
| R102 | 1-216-073-00 | METAL GLAZE 10K 5% 1/10W |
| R103 | 1-216-105-00 | METAL GLAZE 220K 5% 1/10W |
| R104 | 1-216-051-00 | METAL GLAZE 1.2K 5% 1/10W |
| R105 | 1-216-071-00 | METAL GLAZE 8.2K 5% 1/10W |
| R106 | 1-216-081-00 | METAL GLAZE 22K 5% 1/10W |
| R107 | 1-216-053-00 | METAL GLAZE 1.5K 5% 1/10W |
| R108 | 1-216-109-00 | METAL GLAZE 330K 5% 1/10W |
| R109 | 1-216-051-00 | METAL GLAZE 1.2K 5% 1/10W |
| R110 | 1-216-097-00 | METAL GLAZE 100K 5% 1/10W |
| R201 | 1-216-023-00 | METAL GLAZE 82 5% 1/10W |
| R202 | 1-216-073-00 | METAL GLAZE 10K 5% 1/10W |
| R203 | 1-216-105-00 | METAL GLAZE 220K 5% 1/10W |
| R204 | 1-216-051-00 | METAL GLAZE 1.2K 5% 1/10W |
| R205 | 1-216-071-00 | METAL GLAZE 8.2K 5% 1/10W |
| R206 | 1-216-081-00 | METAL GLAZE 22K 5% 1/10W |
| R207 | 1-216-053-00 | METAL GLAZE 1.5K 5% 1/10W |
| R208 | 1-216-109-00 | METAL GLAZE 330K 5% 1/10W |
| R209 | 1-216-051-00 | METAL GLAZE 1.2K 5% 1/10W |
| R210 | 1-216-097-00 | METAL GLAZE 100K 5% 1/10W |
| R291 | 1-216-081-00 | METAL GLAZE 22K 5% 1/10W |
| R292 | 1-216-081-00 | METAL GLAZE 22K 5% 1/10W |
| R293 | 1-216-088-00 | METAL GLAZE 43K 5% 1/10W |
| R294 | 1-216-009-00 | METAL GLAZE 22 5% 1/10W |
| R301 | 1-216-070-00 | METAL GLAZE 7.5K 5% 1/10W |
| R302 | 1-216-112-00 | METAL GLAZE 430K 5% 1/10W |
| R303 | 1-216-097-00 | METAL GLAZE 100K 5% 1/10W |
| R304 | 1-216-025-00 | METAL GLAZE 100 5% 1/10W |
| R305 | 1-216-089-00 | METAL GLAZE 47K 5% 1/10W |
| R306 | 1-216-025-00 | METAL GLAZE 100 5% 1/10W |
| R351 | 1-216-063-00 | METAL GLAZE 3.9K 5% 1/10W |
| R352 | 1-216-085-00 | METAL GLAZE 33K 5% 1/10W |
| R353 | 1-216-065-00 | METAL GLAZE 4.7K 5% 1/10W |
| R354 | 1-249-407-11 | CARBON 150 5% 1/4W |
| R355 | 1-216-077-00 | METAL GLAZE 15K 5% 1/10W |
| R356 | 1-249-432-11 | CARBON 18K 5% 1/4W |
| R357 | 1-216-049-00 | METAL GLAZE 1K 5% 1/10W |
| R358 | 1-216-089-00 | METAL GLAZE 47K 5% 1/10W |
| R359 | 1-216-091-00 | METAL GLAZE 56K 5% 1/10W |
| R360 | 1-216-049-00 | METAL GLAZE 1K 5% 1/10W |
| R361 | 1-247-778-00 | CARBON 6.2 5% 1/4W |
| R362 | 1-247-778-00 | CARBON 6.2 5% 1/4W |

| Ref.No. | Part No. | Description | | | |
|---|---|---|---|---|---|
| R366 | 1-216-149-00 | METAL GLAZE | 9.1 | 5% | 1/8W |
| R367 | 1-216-149-00 | METAL GLAZE | 9.1 | 5% | 1/8W |
| R368 | 1-216-105-00 | METAL GLAZE | 220K | 5% | 1/10W |
| R369 | 1-216-067-00 | METAL GLAZE | 5.6K | 5% | 1/10W |
| R370 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W |
| R371 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W |
| R372 | 1-249-399-11 | CARBON | 33 | 5% | 1/4W |
| R373 | 1-249-399-11 | CARBON | 33 | 5% | 1/4W |
| R374 | 1-249-399-11 | CARBON | 33 | 5% | 1/4W |
| R375 | 1-249-399-11 | CARBON | 33 | 5% | 1/4W |
| R401 | 1-216-748-11 | METAL GLAZE | 39K | 5% | 1/10W |
| R402 | 1-216-101-00 | METAL GLAZE | 150K | 5% | 1/10W |
| R403 | 1-216-090-00 | METAL GLAZE | 51K | 5% | 1/10W |
| R404 | 1-216-101-00 | METAL GLAZE | 150K | 5% | 1/10W |
| R405 | 1-216-095-00 | METAL GLAZE | 82K | 5% | 1/10W |
| R406 | 1-216-097-00 | METAL GLAZE | 100K | 5% | 1/10W |
| R407 | 1-216-097-00 | METAL GLAZE | 100K | 5% | 1/10W |
| R408 | 1-216-041-00 | METAL GLAZE | 470 | 5% | 1/10W |
| R409 | 1-216-049-00 | METAL GLAZE | 1K | 5% | 1/10W |
| R410 | 1-216-077-00 | METAL GLAZE | 15K | 5% | 1/10W |
| R411 | 1-216-067-00 | METAL GLAZE | 5.6K | 5% | 1/10W |
| R412 | 1-216-091-00 | METAL GLAZE | 56K | 5% | 1/10W |
| R451 | 1-216-748-11 | METAL GLAZE | 39K | 5% | 1/10W |
| R452 | 1-216-101-00 | METAL GLAZE | 150K | 5% | 1/10W |
| R453 | 1-216-090-00 | METAL GLAZE | 51K | 5% | 1/10W |
| R454 | 1-216-101-00 | METAL GLAZE | 150K | 5% | 1/10W |
| R455 | 1-216-095-00 | METAL GLAZE | 82K | 5% | 1/10W |
| R456 | 1-216-097-00 | METAL GLAZE | 100K | 5% | 1/10W |
| R457 | 1-216-097-00 | METAL GLAZE | 100K | 5% | 1/10W |
| R458 | 1-216-041-00 | METAL GLAZE | 470 | 5% | 1/10W |
| R459 | 1-216-049-00 | METAL GLAZE | 1K | 5% | 1/10W |
| R460 | 1-216-077-00 | METAL GLAZE | 15K | 5% | 1/10W |
| R461 | 1-216-067-00 | METAL GLAZE | 5.6K | 5% | 1/10W |
| R462 | 1-216-091-00 | METAL GLAZE | 56K | 5% | 1/10W |
| R491 | 1-216-009-00 | METAL GLAZE | 22 | 5% | 1/10W |
| R501 | 1-216-095-00 | METAL GLAZE | 82K | 5% | 1/10W |
| R502 | 1-216-097-00 | METAL GLAZE | 100K | 5% | 1/10W |
| R503 | 1-216-057-00 | METAL GLAZE | 2.2K | 5% | 1/10W |
| R504 | 1-216-057-00 | METAL GLAZE | 2.2K | 5% | 1/10W |
| R505 | 1-216-067-00 | METAL GLAZE | 5.6K | 5% | 1/10W |
| R551 | 1-216-095-00 | METAL GLAZE | 82K | 5% | 1/10W |
| R552 | 1-216-097-00 | METAL GLAZE | 100K | 5% | 1/10W |
| R553 | 1-216-057-00 | METAL GLAZE | 2.2K | 5% | 1/10W |
| R554 | 1-216-057-00 | METAL GLAZE | 2.2K | 5% | 1/10W |
| R555 | 1-216-067-00 | METAL GLAZE | 5.6K | 5% | 1/10W |
| R591 | 1-216-009-00 | METAL GLAZE | 22 | 5% | 1/10W |
| R601 | 1-216-071-00 | METAL GLAZE | 8.2K | 5% | 1/10W |
| R602 | 1-216-057-00 | METAL GLAZE | 2.2K | 5% | 1/10W |
| R603 | 1-216-041-00 | METAL GLAZE | 470 | 5% | 1/10W |
| R605 | 1-249-385-11 | CARBON | 2.2 | 5% | 1/4W |
| R606 | 1-249-385-11 | CARBON | 2.2 | 5% | 1/4W |
| R651 | 1-216-071-00 | METAL GLAZE | 8.2K | 5% | 1/10W |
| R652 | 1-216-057-00 | METAL GLAZE | 2.2K | 5% | 1/10W |
| R653 | 1-216-041-00 | METAL GLAZE | 470 | 5% | 1/10W |
| R655 | 1-249-385-11 | CARBON | 2.2 | 5% | 1/4W |
| R656 | 1-249-385-11 | CARBON | 2.2 | 5% | 1/4W |
| R691 | 1-216-049-00 | METAL GLAZE | 1K | 5% | 1/10W |
| R692 | 1-216-748-11 | METAL GLAZE | 39K | 5% | 1/10W |

| Ref.No. | Part No. | Description | | | |
|---|---|---|---|---|---|
| R693 | 1-216-097-00 | METAL GLAZE | 100K | 5% | 1/10W |
| R695 | 1-216-065-00 | METAL GLAZE | 4.7K | 5% | 1/10W |
| R701 | 1-247-895-00 | CARBON | 470K | 5% | 1/4W |
| R702 | 1-216-113-00 | METAL GLAZE | 470K | 5% | 1/10W |
| R703 | 1-216-097-00 | METAL GLAZE | 100K | 5% | 1/10W |
| R704 | 1-247-895-00 | CARBON | 470K | 5% | 1/4W |
| R705 | 1-247-895-00 | CARBON | 470K | 5% | 1/4W |
| R706 | 1-216-061-00 | METAL GLAZE | 3.3K | 5% | 1/10W |
| R707 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R708 | 1-216-748-11 | METAL GLAZE | 39K | 5% | 1/10W |
| R709 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R710 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R711 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R712 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R713 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R714 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R715 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R716 | 1-216-049-00 | METAL GLAZE | 1K | 5% | 1/10W |
| R717 | 1-216-061-00 | METAL GLAZE | 3.3K | 5% | 1/10W |
| R718 | 1-216-121-00 | METAL GLAZE | 1M | 5% | 1/10W |
| R719 | 1-216-053-00 | METAL GLAZE | 1.5K | 5% | 1/10W |
| R720 | 1-216-053-00 | METAL GLAZE | 1.5K | 5% | 1/10W |
| R721 | 1-216-057-00 | METAL GLAZE | 2.2K | 5% | 1/10W |
| R722 | 1-216-061-00 | METAL GLAZE | 3.3K | 5% | 1/10W |
| R723 | 1-216-001-00 | METAL GLAZE | 10 | 5% | 1/10W |

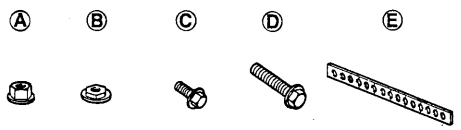
| | | |
|---|---|---|
| RV1 | 1-238-019-11 | RES, ADJ, CARBON 47K |
| RV2 | 1-238-019-11 | RES, ADJ, CARBON 47K |
| RV3 | 1-238-015-11 | RES, ADJ, CARBON 4.7K |
| RV51 | 1-238-019-11 | RES, ADJ, CARBON 47K |
| RV101 | 1-238-019-11 | RES, ADJ, CARBON 47K |
| RV201 | 1-238-019-11 | RES, ADJ, CARBON 47K |
| RV401 | 1-241-150-11 | RES, VAR, CARBON (WITH SW) |
| RV851 | 1-238-917-11 | RES, VAR, CERMET (SW) 80X4/20KX2 |
| S701 | 1-554-814-11 | SWITCH, SLIDE (FWD/REV) |
| S702 | 1-571-522-11 | SWITCH, LEAF (MUTE) |
| S854 | 1-570-114-11 | SWITCH, SLIDE (FADER SELECT) |
| S901 | 1-554-790-11 | SWITCH, POWER (TUNER/TAPE) |
| T1 | 1-404-856-11 | COIL, DISCRIMINATOR |
| T51 | 1-402-149-11 | COIL, MW ANT |
| T52 | 1-426-494-11 | COIL (RF) |
| T53 | 1-426-233-11 | COIL, MW RF (SEC) |
| T54 | 1-406-379-11 | COIL (OSC) |
| T55 | 1-404-857-11 | TRANSFORMER, IF |
| T56 | 1-404-817-11 | TRANSFORMER, IF |
| X701 | 1-567-713-11 | VIBRATOR, CRYSTAL 4.5MHz |

ACCESSORY & PACKING MATERIAL

| | |
|---|---|
| 1-575-984-11 | CORD (WITH CONNECTOR) |
| *3-358-019-01 | INDIVIDUAL CARTON |
| *3-394-834-01 | CUSHION (UPPER) |
| *3-394-835-01 | CUSHION (LOWER) |
| 3-701-627-00 | BAG, POLYETHYLENE |
| 3-751-492-21 | MANUAL, INSTRUCTION |

MOUNTING HARDWARE

| | | |
|---|---|---|
| 501 | X-3391-202-1 | SCREW ASSY, FITTING |
| 502 | 3-310-655-11 | SUPPORT (ND), FITTING |

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